MINISTRY OF TRANSPORTATION AND HIGHWAYS

Annual Report

FOR THE FISCAL YEAR
1985/86

Province of British Columbia

British Columbia. Ministry of Transportation and
Highways.
Report. --1979/80-

Annual.
Cover title: Annual report, 1979/80-
On cover, 1979/80: Ministry of Transportation, Communications and Highways.
Continues in part: British Columbia. Ministry of Transportation, Communications and Highways.
Report. ISSN 0708-7691
ISSN 0706-1897 = Report - Minister of Transportation and Highways (Victoria)

1. British Columbia. Ministry of Transportation and Highways. 2. Transportation and state - British Columbia - Periodicals. 3. Roads - British Columbia - Periodicals.

HE357.Z6B74 354.7110687'5

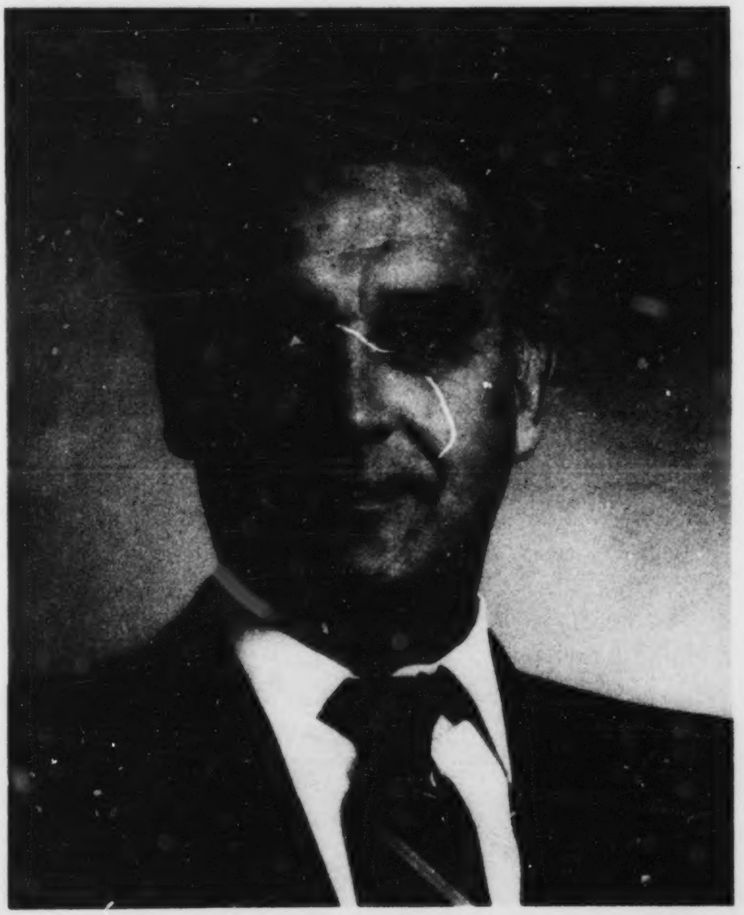
To the Honourable Robert G. Rogers,
Lieutenant Governor of the Province of British Columbia.

MAY IT PLEASE YOUR HONOUR:

Herewith I respectfully submit the Annual Report of the Ministry of Transportation and Highways for the fiscal year ended March 31, 1986 in compliance with the provisions of the Ministry of Transportation and Highways Act.

CLIFF MICHAEL
Minister of Transportation and Highways

Office of the Minister of
Transportation and Highways
Parliament Buildings, 1986



The Honourable Cliff Michael
Minister of Transportation and Highways

Victoria, B.C. 1986

The Honourable Cliff Michael,
Minister of Transportation
and Highways,
Parliament Buildings,
Victoria, B.C.

Sir:

I am pleased and honoured to present the Annual Report of this Ministry for the fiscal year ended March 31, 1986.

General comments on the year's activity follow with identification of senior officials.

The main body of the report identifies the various branches and their directors with branch reports and statistics.

Respectfully submitted,
T.R. JOHNSON
Deputy Minister

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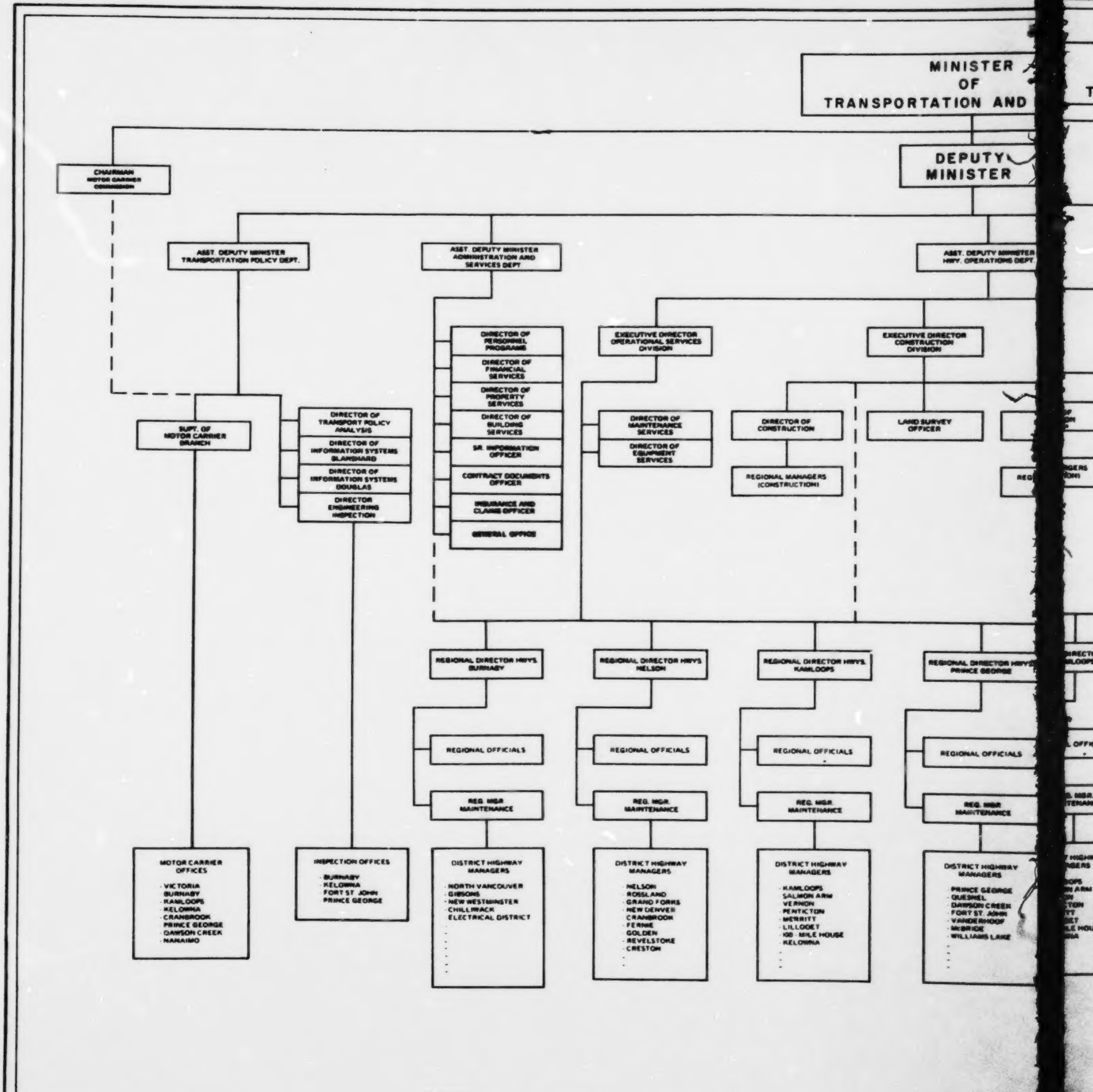
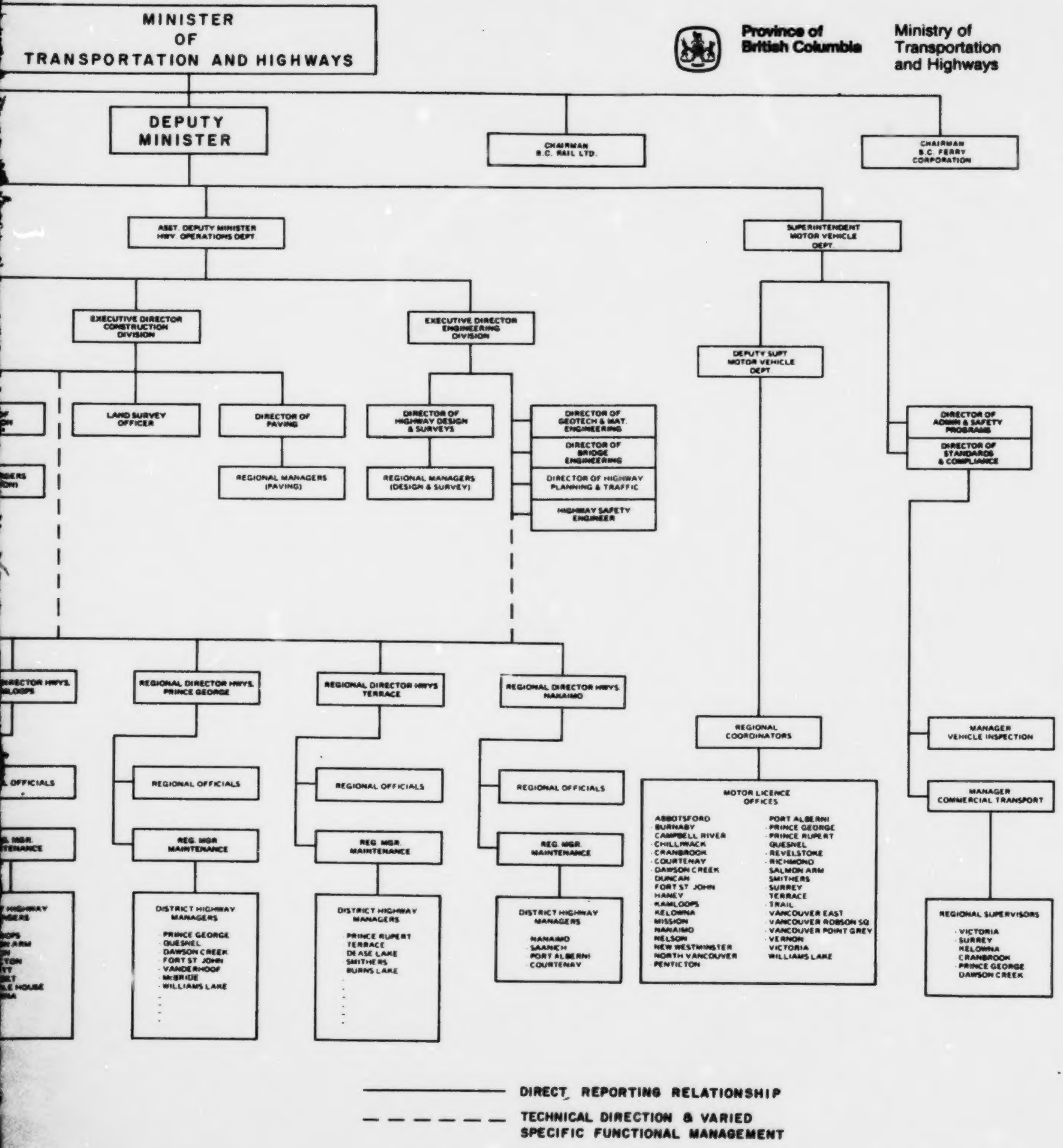

MINISTER OF TRANSPORTATION AND
DEPUTY MINISTER
CHAIRMAN MOTOR CARRIER COMMISSION
ASST. DEPUTY MINISTER TRANSPORTATION POLICY DEPT.
ASST. DEPUTY MINISTER ADMINISTRATION AND SERVICES DEPT
ASST. DEPUTY MINISTER HWY. OPERATIONS DEPT.
SUPT. OF MOTOR CARRIER BRANCH
DIRECTOR OF TRANSPORT POLICY ANALYSIS
DIRECTOR OF INFORMATION SYSTEMS BLANSHARD
DIRECTOR OF INFORMATION SYSTEMS DOUGLAS
DIRECTOR ENGINEERING INSPECTION
DIRECTOR OF PERSONNEL PROGRAMS
DIRECTOR OF FINANCIAL SERVICES
DIRECTOR OF PROPERTY SERVICES
DIRECTOR OF BUILDING SERVICES
SR. INFORMATION OFFICER
CONTRACT DOCUMENTS OFFICER
INSURANCE AND CLAIMS OFFICER
GENERAL OFFICE
EXECUTIVE DIRECTOR OPERATIONAL SERVICES DIVISION
DIRECTOR OF MAINTENANCE SERVICES
DIRECTOR OF EQUIPMENT SERVICES
EXECUTIVE DIRECTOR CONSTRUCTION DIVISION
DIRECTOR OF CONSTRUCTION
REGIONAL MANAGERS (CONSTRUCTION)
LAND SURVEY OFFICER
REGIONAL DIRECTOR HWYS. BURNABY
REGIONAL DIRECTOR HWYS NELSON
REGIONAL DIRECTOR HWYS. KAMLOOPS
REGIONAL DIRECTOR HWYS PRINCE GEORGE
REGIONAL OFFICIALS
REGIONAL OFFICIALS
REGIONAL OFFICIALS
REGIONAL OFFICIALS
REG. MGR. MAINTENANCE
REG. MGR. MAINTENANCE
REG. MGR. MAINTENANCE
REG. MGR. MAINTENANCE
MOTOR CARRIER OFFICES
· VICTORIA
BURNABY
· KAMLOOPS
· KELOWNA
· CRANBROOK
· PRINCE GEORGE
· DAWSON CREEK
· NANAIMO
INSPECTION OFFICES
· BURNABY
· KELOWNA
· FORT ST. JOHN
· PRINCE GEORGE
DISTRICT HIGHWAY MANAGERS
· NORTH VANCOUVER
· GIBSONS
· NEW WESTMINSTER
· CHILLIWACK
ELECTRICAL DISTRICT
DISTRICT HIGHWAY MANAGERS
· NELSON
· ROSSLAND
· GRAND FORKS
· NEW DENVER
CRANBROOK
· FERNIE
GOLDEN
· REVELSTOKE
· CRESTON
DISTRICT HIGHWAY MANAGERS
· KAMLOOPS
SALMON ARM
VERNON
· PENTICTON
· MERRITT
· LILLOOET
· 100 · MILE HOUSE
· KELOWNA
DISTRICT HIGHWAY MANAGERS
· PRINCE GEORGE
· QUESNEL
· DAWSON CREEK
· FORT ST. JOHN
· VANDERHOOF
· McBRIDE
· WILLIAMS LAKE

Province of British Columbia

Ministry of
Transportation
and Highways


MINISTER OF TRANSPORTATION AND HIGHWAYS
DEPUTY MINISTER
CHAIRMAN B.C. RAIL LTD.
CHAIRMAN B.C. FERRY CORPORATION
ASST. DEPUTY MINISTER HWY. OPERATIONS DEPT.
SUPERINTENDENT MOTOR VEHICLE DEPT.
EXECUTIVE DIRECTOR CONSTRUCTION DIVISION
EXECUTIVE DIRECTOR ENGINEERING DIVISION
DEPUTY SUPT MOTOR VEHICLE DEPT.
LAND SURVEY OFFICER
DIRECTOR OF PAVING
REGIONAL MANAGERS (PAVING)
DIRECTOR OF HIGHWAY DESIGN & SURVEYS
REGIONAL MANAGERS (DESIGN & SURVEY)
DIRECTOR OF GEOTECH & MAT. ENGINEERING
DIRECTOR OF BRIDGE ENGINEERING
DIRECTOR OF HIGHWAY PLANNING & TRAFFIC
HIGHWAY SAFETY ENGINEER
DIRECTOR OF ADMIN & SAFETY PROGRAMS
DIRECTOR OF STANDARDS & COMPLIANCE
REGIONAL DIRECTOR HWYS. PRINCE GEORGE
REGIONAL DIRECTOR HWYS TERRACE
REGIONAL DIRECTOR HWYS. NANAIMO
REGIONAL OFFICIALS
REGIONAL OFFICIALS
REGIONAL OFFICIALS
REG. MGR. MAINTENANCE
REG. MGR. MAINTENANCE
REG. MGR. MAINTENANCE
DISTRICT HIGHWAY MANAGERS
· PRINCE GEORGE
· QUESNEL
· DAWSON CREEK
· FORT ST. JOHN
· VANDERHOOF
· McBRIDE
· WILLIAMS LAKE
DISTRICT HIGHWAY MANAGERS
· PRINCE RUPERT
· TERRACE
· DEASE LAKE
· SMITHERS
· BURNS LAKE
DISTRICT HIGHWAY MANAGERS
· NANAIMO
· SAANICH
· PORT ALBERNI
· COURTENAY
REGIONAL COORDINATORS
MOTOR LICENCE OFFICES
· ABBOTSFORD
· BURNABY
· CAMPBELL RIVER
· CHILLIWACK
· CRANBROOK
· COURTENAY
· DAWSON CREEK
· DUNCAN
· FORT ST JOHN
· HANEY
· KAMLOOPS
· KELOWNA
· MISSION
· NANAIMO
· NELSON
· NEW WESTMINSTER
· NORTH VANCOUVER
· PENTICTON
· PORT ALBERNI
· PRINCE GEORGE
· PRINCE RUPERT
· QUESNEL
· REVELSTOKE
· RICHMOND
· SALMON ARM
· SMITHERS
· SURREY
· TERRACE
· TRAIL
· VANCOUVER EAST
· VANCOUVER ROBSON SQ.
· VANCOUVER POINT GREY
· VERNON
· VICTORIA
· WILLIAMS LAKE
MANAGER VEHICLE INSPECTION
MANAGER COMMERCIAL TRANSPORT
REGIONAL SUPERVISORS
· VICTORIA
· SURREY
· KELOWNA
· CRANBROOK
· PRINCE GEORGE
· DAWSON CREEK
DIRECT REPORTING RELATIONSHIP
TECHNICAL DIRECTION & VARIED SPECIFIC FUNCTIONAL MANAGEMENT

DECEMBER 1986.

ADMINISTRATION AND SERVICES DEPARTMENT

A.R. Limacher, Assistant Deputy Minister

The function of this department is to provide services essential to the overall operation of the Ministry in the areas of staffing and personnel management, financial control, air services, public and media relations, building and property services, highway contracts, insurance and claims.

Activity continued at a high level throughout the year in support of the Ministry's efforts to provide the public with the best services possible in the face of economic restraint.

In personnel, the Ministry was given a full time equivalent allotment of 7,080 in the 1985/86 fiscal year. The total number of employees on the payroll fluctuated from 7,155 to 7,632.

The Air Services Branch transported 1,712 patients in 955 air ambulance flights and carried a total of 7,401 passengers on government business.

Information Services wrote and distributed 471 press releases and arranged 12 official ceremonies which included media tours of the Coquihalla Highway and Annacis, as well as official openings of highways, bridges, airports, motor licence offices and conversion of the Klatawa ferry to propane.

The total cost of right-of-way acquisition by the Ministry was $28,352,440.01 which involved 1,091 property acquisitions, leases and easements with a further 1,206 being negotiated.

Highlighting the building service projects was the construction of the Coquihalla toll booth plaza which was designed by staff. Features included computer controlled slab heating, security systems and financial reporting.

Insurance and Claims Branch reported a decrease in accidents involving vehicles owned or leased by the Government from 1,405 in 1984/85 to 1,382 in 1985/86.

Additional statistics and information from each branch of this department appear elsewhere in this report.

HIGHWAYS OPERATIONS DEPARTMENT

R.G. White, P. Eng., Assistant Deputy Minister

Engineering - M.G. Elston, P. Eng., Executive Director

The Design and Surveys Branch carried out 152 projects during the year representing 814.49 km of two, four and five lane highway. The Coquihalla Highway, Annacis Project and Highway 99 from Horseshoe Bay to Squamish were again the major areas of involvement.

Requests for Geotechnical and Materials Testing Branch Services were higher this year than ever before with projects for the Coquihalla and Annacis System accounting for most of the work load. Consultant firms were used in several investigations. This branch carries out investigations in such areas as geotechnical highway design, foundations, stability, and aggregates, as well as pavement evaluation and design and quality control studies and testing.

The Bridge Branch reported another extremely busy year with the main emphasis again being on the Coquihalla Highway and the Annacis Crossing System. Most of the design program was done in-house which meant little demand for consultants, also construction costs remained low as a result of the keen competition bid prices.

Activities also continued at a fast pace in the Highway Planning and Traffic Branch with several firsts being carried out by the traffic section, namely ornamental lighting of the Lions Gate Bridge, signing and instrumentation of the Coquihalla toll plaza and use of telemetry to count traffic in remote locations. The planning section continued its review of the provincial highway system, assembled the highway capital program, carried out studies ranging from the development of transportation management strategies to evaluating transportation corridors.

Construction - Vacant, Executive Director

During the 1985/86 fiscal year the Construction Branch administered 143 projects for a total value of $370,000,000. Of these projects 32 were by day labour, nine by a combination of day labour and contract and the rest by contract.

Of special note, Annacis route construction continued all winter in preparation for opening by mid-1986. Also, all Phase I Coquihalla contracts from Hope to Merritt were completed by the end of 1985 and a major start was made on Phase II from Merritt to Kamloops. Significant progress was also made on four-laning of the Okanagan Highway and the three debris basins and dams to control creek overflows along the Squamish Highway were completed.

In the same period the Paving Branch administered 45 capital paving projects.

Some 600.32 km of road (727.44 km of two-lane equivalent) were surfaced with asphalt pavement and 423.57 km of surface seal (451.07 km of two-lane equivalent).

During the year 130 legal survey projects were carried out totalling 377 km.

Operations - P.J. Carr, P. Eng., Executive Director

The 1985/86 Provincial road and bridge maintenance funding was $246,810,839. There was a slight increase in road inventory and a substantial increase in the number of bridges. The road inventory increased from 45,395 km to 45,570 km and lane kilometres of pavement increased from 40,977 to 42,201. The number of bridges increased from 2,562 to 2,746.

Flooding problems were generally below normal and snow related incidents including avalanches and adverse snow conditions were generally average or below average in most areas. Rock and earth slides affecting highways also reached normal levels of activity, with the majority of incidents occurring in April and May. The fast response and repairs by ministry crews kept road closures to a minimum throughout the year.

The 1985 hydroseeding program totalled 6,492 ha and was comprised of 4,045 ha seeding, 291 ha mulching and 2,156 ha refertilizing. A large portion of the new seeding work was carried out on the Coquihalla Highway.

The rest area upgrading program continued with various improvements made to approximately 20 sites.

Landscape design work was carried out for the Expo 86 floral displays. Eight full size displays were installed on the Lower Mainland and one in North Saanich. Mini floral display berms were also constructed in the vicinity of various communities throughout the Province.

Avalanche activity affecting highways was below average during the year due to longer periods of low precipitation. A key project for the year was the continuing development of the avalanche safety program for the Coquihalla Highway.

Equipment replaced during the year totalled 352 units including light and heavy equipment. The fleet was well used during the year and the preventive maintenance program was well applied by operators and mechanical staff.

The Ministry's salt water ferry fleet operation was transferred to the B.C. Ferry Corporation in October, 1985. Up to that time the fleet had carried 1,332,458 vehicles and 2,173,550 passengers. Revenue for the period came to $3,486,915.

The fresh water fleet carried 2,695,209 vehicles and 5,378,328 passengers.

The natural gas conversion of the M.V. Klatawa was completed and the vessel was licenced as the first natural gas powered passenger ferry in the world on December 16, 1985.

TRANSPORTATION POLICY DEPARTMENT

D.A. Kasianchuk, Ph.D., Assistant Deputy Minister

The role of the Transportation Policy Department was expanded in 1985/86 to include four primary functions:

1. encourage development of a balanced transportation system to make effective use of all modes of transport;

2. approve the design and operation of pipelines, railways and aerial tramways under provincial jurisdiction;

3. provide staff support for the Motor Carrier Commission through the Motor Carrier Branch; and

4. co-ordinate development of computer and information systems for the Ministry.

Transport policy activities in 1985/86 included: a review of motor carrier legislation and regulation; a Provincial response to the federal White Paper on national transportation policy; support for a demonstration of new air navigation systems at Nanaimo and Pemberton, and grants of $2.5 million for improvements to 12 community airports.

The Department's responsibility as a regulator includes approval of design standards and operating procedures on the BCR, the BC Hydro Railway, the Skytrain system, 65 industrial and recreational railways, over 10,000 kilometers of pipeline, and 236 aerial tramways. In 1985/86, the Department gave its approval to the Skytrain system and conducted several hundred inspections of pipeline, railway and aerial tramway installations and operations. In addition, it assisted Expo organizers with control and inspection of the monorail, the gondola and other transportation systems on the Expo site.

During 1985/86 the Motor Carrier Branch was incorporated in the Transport Policy Department for administrative purposes while continuing as staff support for the Motor Carrier Commission. A preliminary review of motor carrier licensing was conducted in order to identify ways of reducing licensing costs for truckers and the Ministry.

Responsibility for information systems development was also assigned to the Department. During the year, the Information Systems groups for both Highways and Transportation made substantial progress in installing new systems and developing a comprehensive systems plan for the Ministry.

MOTOR VEHICLE DEPARTMENT

P.K. Jackman, Superintendent of Motor Vehicles

The Motor Vehicle Department operates under a mandate through legislation to register and licence vehicles, to licence drivers and to operate programs associated with these two primary functions aimed at improving the quality of road users.

The organizational structure is designed to provide unique identification within each program but still ensure co-ordination between areas of responsibility.

The organization consists of three branches and four divisions:

Administration and Safety Branch
Responsibility: General administration;
dangerous goods co-ordination;
safety programs.

Standards and Compliance Branch
Responsibility: Development of vehicle safety standards and compliance programs;
operation of the Vehicle Inspection Division;
operation of the Commercial Transport Division.

Driver/Vehicle Licencing Branch
Responsibility: Examination and licencing of drivers;
driver control programs;
vehicle registration and licencing programs;
revenue collection programs;
operation of the Driver Licencing Division;
operation of the Vehicle Licencing Division.

These programs are carried out through headquarters operations and 33 motor licence offices located throughout the Province in larger communities, 77 private sector agents appointed by the Superintendent of Motor Vehicles, 40 permanent weigh scale locations and 19 portable weigh scale units. Inspection of school buses and periodic checks on commercial vehicles are carried out by 21 area inspectors.

In addition to the field offices, approximately 750 Autoplan insurance agents perform vehicle licencing related functions on behalf of the Motor Vehicle Department. During 1985 a strong relationship was continued with the Independent Insurance Agents Association of British Columbia which greatly enhanced the communication aspect resulting in quick resolutions to issues.

In addition to provincial activities, the Motor Vehicle Department staff were active with counterparts from other provinces and states, in particular on issues that have or will bring about an administrative simplicity resulting in common requirements and uniformity on a national basis.

Automation is also a major factor in establishing administrative uniformity at all levels. The automation of the Department's programs is carried out through the Ministry's Transportation Information Systems Branch, in keeping with the British Columbia Systems Corporation's mandate.

Again as in past years, success was largely due to the hard-working efforts of our dedicated employees.

SENIOR MINISTRY PERSONNEL

As at March 31, 1986

T.R Johnson, P. Eng., Deputy Minister, Transportation and Highways

ADMINISTRATION AND SERVICES DEPARTMENT

A.R. Limacher, Assistant Deputy Minister
Vacant, Director of Personnel Programs
S.E. Price, Director of Financial Services
J. Taylor, (Acting) Director of Air Services
A.C. Brown, Director of Property Services
D. Grey, Director of Building Services
W.S. Allen, Senior Information Officer
R.A. Fisher, Contract Documents Officer
D. Penman, Insurance & Claims Officer

TRANSPORTATION POLICY DEPARTMENT

D.A. Kasianchuk, Ph.D., Assistant Deputy Minister
G.A. Clark, Director, Transport Policy Analysis
F.H. Christensen, P. Eng., Director, Engineering Inspection

MOTOR CARRIER COMMISSION

G.M. Morris, Chairman
E.D. Tyson, Superintendent of Motor Carriers

MOTOR VEHICLE DEPARTMENT

P.K. Jackman, Superintendent of Motor Vehicles
R.J. Isaac, Deputy Superintendent, Vehicle and Driver Licensing
P. Toogood, P. Eng., Director of Standards and Compliance
J.F. Phillips, Director, Administration and Safety Programs

HIGHWAYS OPERATIONS DEPARTMENT

R.G. White, P. Eng., Assistant Deputy Minister
M.G. Elston, P. Eng., Executive Director, Engineering Division
E.E. Readshaw, P. Eng., Director of Highway Design and Surveys
L. deBoer, P. Eng., Director of Geotechnical and Materials Engineering
L.C. Johnson, P. Eng., Director of Bridge Engineering
J. Lisman, P. Eng., Highway Safety Engineer
D.R. Parkes, P. Eng., Director of Highway Planning and Traffic
Vacant, Executive Director, Construction Division
N.R. Zapf, Director of Construction
O.R. Tisot, P. Eng., Director of Paving
F.A. Clapp, Lands Survey Officer
P.J. Carr, P. Eng., Executive Director, Operational Services Division
J.L.S. Buckle, P. Eng., Director of Maintenance Services
E.A. Lund, P. Eng., Director of Equipment Services

HIGHWAY FIELD OPERATIONS

Region 1 - Burnaby

D.P. Doyle, P. Eng., Regional Director, Highways
T.A. Tasaka, P. Eng., Regional Manager, Maintenance
D.N. Moore, P. Eng.,Regional Manager, Construction
G. Garlinge, Regional Manager, Highways Design and Surveys
B.W.R. Eastman, P. Eng., Regional Geotechnical and Materials Engineer
S.S. Sahota, P. Eng., Regional Manager, Paving
W.A. Montgomery, Regional Property Negotiator
G.A. Warrington, Regional Manager, Equipment Services
R. Winbow, District Highways Manager, North Vancouver
T.M. Forsyth, District Highways Manager, Gibsons
R.A. Fru, P. Eng., District Highways Manager, New Westminster
P.S. Dunn, District Highways Manager, Chilliwack
Vacant, Dock Engineer
H. Gutteridge, District Electrical Manager, New Westminster

Region 2 - Kamloops

D.C. MacVicar, P. Eng., Regional Director Highways
S.J. Sviatko, Regional Manager, Maintenance
A.W. Slater, P. Eng., Regional Manager, Construction
A.W.G. Smith, Regional Manager, Highway Design and Surveys
G.C. Stock, P. Eng., Regional Geotechnical and Materials Engineer
J.F. Meidinger, P. Eng., Regional Manager, Paving
G.A. Ward, Regional Property Negotiator
J.T. Evans, Regional Manager, Equipment Services
Vacant, District Highways Manager, Kamloops
J.W. Lay, District Highways Manager, Salmon Arm
B.D. Hunter, P. Eng., District Highways Manager, Penticton
D.S. Cunliffe, P. Eng., District Highways Manager, Merritt
E.C. Redman, District Highways Manager, Lillooet
W.A.G. Telford, District Highways Manager, 100 Mile House
W.J. McDonald, District Highways Manager, Kelowna

Region 3 - Nelson

W.M. Sproul, P. Eng., Regional Director, Highways
H.J. Kelsall, P. Eng., Regional Manager, Maintenance
Vacant, Regional Manager, Construction
D.G. Walker, (Acting) Regional Manager, Highway Design and Surveys
P. Barnes, P. Eng., Regional Geotechnical and Materials Engineer
F.H. Sawatsky, Regional Manager, Paving
J. Mintak, Regional Property Negotiator
R.E. Johnson, Regional Manager, Equipment Services
Vacant, District Highways Manager, Nelson
D.L. Oliver, District Highways Manager, Rossland
H.L. Good, District Highways Manager, Grand Forks
G.F. Kazakoff, District Highways Manager, New Denver
H.F. Popoff, District Highways Manager, Vernon
J.P. Wrobel, P. Eng., District Highways Manager, Cranbrook
D.H. Hutton, District Highways Manager, Golden
G.E. Miller, P. Eng., District Highways Manager, Revelstoke
L.S. Fransson, District Highways Manager, Creston
E.E. Hicks, District Highways Manager, Fernie

Region 4 - Prince George

L.A. Broddy, P. Eng., Regional Director, Highways
K.E. Bespflug, P. Eng., Regional Manager, Maintenance
D. Chisholm, Regional Manager, Construction
R.E. Standen, Regional Manager, Highway Design and Surveys
A. Davidson, P. Eng., Regional Geotechnical and Materials Engineer
F.E. Martens, Regional Manager, Paving
E.S. Gowman, Regional Property Negotiator
L.J. Churchill, Regional Manager, Equipment Services
S. Young, P. Eng., District Highways Manager, Prince George
A.N. Hepp, District Highways Manager, Quesnel
S.D. Gladysz, District Highways Manager, Dawson Creek
R.E. Harrison, P. Eng., District Highways Manager, Fort St. John
A.W. Horsnell, District Highways Manager, Vanderhoof
S. Paloposki, District Highways Manager, Williams Lake
D.S. Kirk, District Highways Manager, McBride

Region 5 - Terrace

N. Hope, P. Eng., Regional Director, Highways
G.J. Sutherland, P. Eng., Regional Manager, Maintenance
Vacant, Regional Manager, Construction
D. Nyland, P. Eng., Regional Geotechnical and Materials Engineer
Vacant, Regional Manager, Paving
Vacant, Regional Property Negotiator
R. Reimcho, Regional Manager, Equipment Services
S.C. Christensen, District Highways Manager Prince Rupert
W.E. Stanley, District Highways Manager, Terrace
L.M. Kelly, P. Eng., District Highways Manager, Dease Lake
J.N. Ryan, District Highways Manager, Smithers
F. Rizzardo, District Highways Manager, Burns Lake

Region 6 - Nanaimo

R.W. Gittins, P. Eng., Regional Director, Highways
A.L. Freebairn, P. Eng., Regional Manager, Maintenance
R.K. Dash, Regional Manager, Construction
B.T. Nielson, P. Eng., Regional Manager, Paving
R.E. Burnett, Regional Property Negotiator
A.J. Montador, P. Eng., Regional Geotechnical and Materials Engineer
B.T. Nielson, P. Eng., Regional Manager, Highways Design and Surveys
S. Cutt, Regional Manager, Equipment Services
D.L. Byers, P. Eng., District Highways Manager, Nanaimo
J.C. Jensen, District Highways Manager, Saanich
H.A. Ronmark, District Highways Manager, Port Alberni
W.R. Ball, District Highways Manager, Courtenay

ADMINISTRATION AND SERVICES

REPORT OF THE DIRECTOR OF PERSONNEL PROGRAMS

Vacant

For the 1985/86 fiscal year, the Ministry was again allotted a Full Time Equivalents (F.T.E.) budget of 6,998. However, due to additional requirements for the completion of such major projects as the Annacis Bridge and Phase I of the Coquihalla Highway an additional 82 F.T.E.'s were issued for a total of 7,080. The total number of employees on payroll including seasonal auxiliaries fluctuated from 7,155 to 7,632.

All sections of the Personnel Programs Branch had a busy year. An average of 51 position competitions, 16 grievances, 44 compensable W.C.B. accidents, 80 classification reviews and appeals, 387 course applications, 12 retirements, and 15 transfers were processed each month. Branch staff also participated in a number of studies relating to major restructuring of government personnel services and policies as well as in negotiations for the turnover of all Ministry salt water ferries to the British Columbia Ferry Corporation which involved approximately 430 employees.

PERSONNEL OPERATIONS AND OCCUPATIONAL HEALTH AND SAFETY PROGRAMS SECTION

This section, headed by a Manager, provides personnel and occupational health and safety services to the four departments of the Ministry, with eight Regional Personnel Officers, one Senior Health and Safety Programs Officer and an Assistant, and six Regional Occupational Health and Safety Officers.

During the 1985/86 fiscal year, there were 651 job competitions processed, of which 472 were advertised in the Government Personnel Services tabloid "Postings" and the balance posted by Ministry Regions/Districts. This section also responded to 11 promotional appeals.

In 1985, the Ministry reported a total of 526 compensable injuries, up from the 471 injuries reported in 1984. Of these, 239 injuries resulted in lost time beyond the day of the accident. Also included was one fatality to a Ministry employee. A total 9,269 days were lost due to injury arising out of employment. This was a deterioration over the past year.

The direct cost for compensation, including payouts for disabilities and medical aid costs in 1985 totalled $1,195,426 down from $1,288,026.83 in 1984.

The Ministry had a total of 10,560,468 hours of work exposure resulting in an accountable accident frequency of 24.7 accidents per one million hours worked. This compares with 34.3 in 1984.

Region 3 (Nelson) won the Honourable Minister's Safety Trophy for the lowest countable accident frequency among Regions. Regional Safety Award winners were Chilliwack, Penticton, Rossland, Dawson Creek, Terrace and Courtenay.

The Ministry currently has 120 joint union/management safety and health committees who have responsibility to make recommendations on safety and health in the workplace.

The Hearing Conservation program resulted in testing of 2,643 employees at a cost of $42,288.00. Additional on-going training was provided in first aid, traffic control, dangerous good emergencies, fire protection, materials handling, welding safety, use of hand tools, supervisory training in accident prevention and training for local safety and health committee members.

Under the Short Term Illness Injury Plan there was a total of 32,982 days lost, with 293 employees off in excess of six months on L.T.D. The total S.T.I.I.P. cost for Ministry employees was $2,606,397.47 and the L.T.D. cost for Ministry employees was $1,829,672.06.

Through the screening committee, the Ministry returned 15 employees to the workforce who had been severely ill or injured. This is out of a total of 72 employees who had received attention at Screening Committee in 1985.

EMPLOYEE PLANNING & DEVELOPMENT

The purpose of this section is to encourage excellent work habits and job performance from every Ministry employee by:

1. Supplying accurate and timely human resource planning information to senior management, so that future staffing requirements can be effectively fulfilled.

2. Developing first class technical, administrative and leadership skills in every manager and supervisor.

3. Supporting or providing suitable and timely training and development opportunities to all qualified and interested employees in order to encourage them to develop relevant skills and knowledge so that current job requirements and individual career goals can be achieved.

4. Supplying a human resource development consultative service to all managers, supervisors and personnel officers.

The Employee Planning and Development operations have been tailored to achieve our mission. Our business is service to line operators.

Management and Supervisory Development

The objective of the Ministry's Management and Supervisory Development Program is to support managers and supervisors in enhancing employee performance by providing training in state of the art management and supervisory techniques.

In 1985/86, more than 80 managers participated in one or more of the Ministry developed Management Development Program course modules "Effective Management", "Advanced Leadership" and "Labour Relations". Over 300 supervisors participated in one or more of the Supervisory Development Program course modules, "Effective Leadership", "Performance Coaching Skills" and "Labour Relations". In addition, approximately 75 supervisors were involved in instructional skills training. These courses identified ways that managers and supervisors can more effectively obtain the performance they want from employees. They also provided opportunities for trainees to learn these techniques by practising them under the supervision of expert trainers. The Ministry also sponsored eight people in courses in the Diploma Program of Public Sector Administration offered through the University of Victoria.

Computer Based Training

Employee Planning and Development, in conjunction with the Information Systems Branch, provided a number of courses related to computer utilization. Since April 1985, an estimated 700 employees have had some direct form of computer oriented training. Programs have included Introduction to Microcomputers, Basic and Advanced Word Processing, Basic and Advanced Lotus 1-2-3 applications, Data Communications, and Basic Systems Analysis, as well as specialized training for people involved in the development and use of specific information systems.

Taking Charge of Your Career

This program is designed for all women in the Ministry who are interested in improving their communication skills and setting realistic career goals. As of June 1985, there were over 1,000 women employed by the Ministry. Traditionally, Ministry training has been provided in the technical/engineering areas, but rapid technological change is making demands on all employees to develop new skills. As a result, Ministry training has been expanded into supervisory and managerial areas as well. It is evident that training will become an ongoing activity for all employees as new equipment and procedures are introduced into the workplace. After completing the "Taking Charge of Your Career" course, women will have the ability to formulate individual career plans; improve productivity; and, decide how to progress into more senior levels of responsibility. Additionally, they will be able to develop new skills in order to be prepared for technological change within the Ministry.

By March 31, 1986, 426 women had successfully completed this program.

Transportation Systems Technology Program

During this fiscal year, 1,375 employees actively participated in the technology training programs offered by the Ministry. Of this number, 350 employees registered for the full national diploma with 37 qualifying for the second level certificate in the Transportation Systems Technology Program. The remaining 1,025 employees are enrolled in the Technical Skills Program and of these, 94 employees have qualified for a level 1 certificate and four for a level 2 certificate.

Apprenticeship Program

There were 21 apprentices hired into the program in the following trades: Heavy Duty Mechanic, Piledriver/Bridgeman, Electronics, Electrical.

As of March 31, 1986, there were 30 graduates of apprenticeship programs in the following trades: Piledriver/Bridgeman, Heavy Duty Mechanic, Electrical, Electronics, Welder.

Educational Media

Additional video training programs were acquired to update the Ministry's mechanical grader training series. The purpose was to provide information to mechanical personnel and decrease downtime on Ministry maintenance equipment. The video's content covers such procedures as disassembly, overhaul and trouble-shooting.

Video tapes were also added to the management supervisory development program in order to effectively illustrate various subject areas and enrich the course material.

Program Development

In cooperation with the Ministry's Health and Safety, and Motor Vehicle Administration and Safety Programs, two dangerous goods training packages were produced containing instructional audio visual material in order to provide standardized training for Ministry personnel involved in the handling, offering, transporting and regulation of dangerous goods.

Equipment Operator Training

Ministry Driver Trainers conducted courses in defensive driving, dangerous goods and other major training programs including winter maintenance and air brake refresher courses in a continued effort to reduce vehicle accidents and maintenance costs. In 1985, Ministry vehicles travelled over 57 million kilometers. Vehicle accident frequency for the Ministry was 8.8. Region 3 had the lowest preventable vehicle accident frequency at 4.1.

EMPLOYEE RELATIONS

Formal grievances filed during the calendar year of 1985 totalled 192. This number is down by 84 from the previous year. As at April 1, 1986 the Ministry had 146 grievances filed at arbitration (active from this and previous years). During the past year, three of the Ministry's cases were heard at formal arbitration hearings. Two of the decisions were in favour of the Ministry and we are awaiting the arbitrator's decision on the third case. Over the past year 129 formal grievances were resolved short of arbitration by the Ministry.

The collective agreement provides for an Hours of Work Umpire to resolve disputes concerning hours of work at the local level. During the past year the Ministry has had nine such disputes settled in this manner.

In October 1985 bargaining with the B.C.G.E.U. commenced with master agreement talks. Later in the year and into 1986, component bargaining and master sub-committee talks took place which this section was involved in. At the time of writing this report the contract negotiations are on-going.

Regular updating of contract interpretations and consistent advice to managers in all employee relations matters remain a primary objective of this section.

ORGANIZATION AND CLASSIFICATION SERVICES

This section provides establishment, organization and classification services to the Ministry.

Major work completed included implementation of new classification plans for Financial, Marine and Bridgeworker positions and the new Management Job Evaluation Plan. Other major projects undertaken were the Industrial Warehousing Trades series; revised specifications for Machine Operators, Sign Fabricators, and Inspectors of Mechanical Motor Vehicles and Commercial Transportation. Work continued on the Administrative Officer Series and various Motor Vehicle Department positions.

In total, over 1,000 positions were involved in the job evaluation process.

ADMINISTRATIVE SUPPORT SERVICES SECTION

This section provides administrative support to other sections of the branch, processing personnel documentation and appointments, and monitoring personnel related files for the entire Ministry.

Staff of this section processed 615 competition postings and 136 retirements. Meritorious service scrolls were awarded to 57 employees. Removal or relocation expenses were processed for 187 employees at a total cost of $1,037,552. Ninety-six employees of the Ministry were honoured at a Long Service Awards ceremony at Government House, with five employees receiving 40 year awards, 18 employees receiving 35 year awards and 73 employees receiving 25 year certificates.

REPORT OF THE DIRECTOR OF FINANCIAL SERVICES

S.E. Price

The following pages disclose in detail the Ministry of Transportation and Highways expenditures for the fiscal year 1985-86.

The total gross expenditure was $1,124,437,346 for the period. Highway maintenance costs were $266,393,090 and Highway capital construction costs were $749,829,450 in the fiscal year 1985-86.

Major engineering and construction work continued on the Fraser River Crossing (Annacis), and the Coquihalla Highway. Other major expenditures on construction activities included:

Highway 16 - Yellowhead Fraser River Crossing
Highway 97 - Garbitt Tunnel reconstruction
Boston Bar Bridge
Clayhurst Bridge
Coquitlam River Bridge, Mary Hill Bypass
Highway 99 - Squamish Highway - debris torrent control construction
Highway 97 - Okanagan Highway - Bailey Road to Vernon
Highway 15 - Pacific Highway - U.S. Border to 32nd Avenue
Highway 97 - 83 Mile House to 94 Mile House
Highway 33 and Rutland Road, Kelowna
Highway 97 - Barkerville Road Junction, Plett Road
Highway 37 - Kitimat to Onion Lake
Highway 5 - South of Louis Creek to Little Fort
Beck Immel Road - grading and paving
Heritage Highway - south end reconstruction
Heritage Highway - north and south of Chetwynd

The Motor Vehicle Department expenditures were $31,629,365 in 1985-86. The branch carried on with the distribution of the new motor vehicle licence plates and decals that were introduced during the 1984/85 fiscal year.

The Air Services Branch expenditures were $8,090,736 and costs included the lease of an additional Citation II aircraft to meet increased flight requirements particularly with respect to the provision of Air Ambulance services.

The Ministry continued to provide, through the Air Transport Assistance Program, grants to Municipalities, Regional Districts and Societies for the development, construction, and improvement of local air transport facilities. Funds totalling $2,752,043 were expended on this program during the 1985-86 fiscal period.

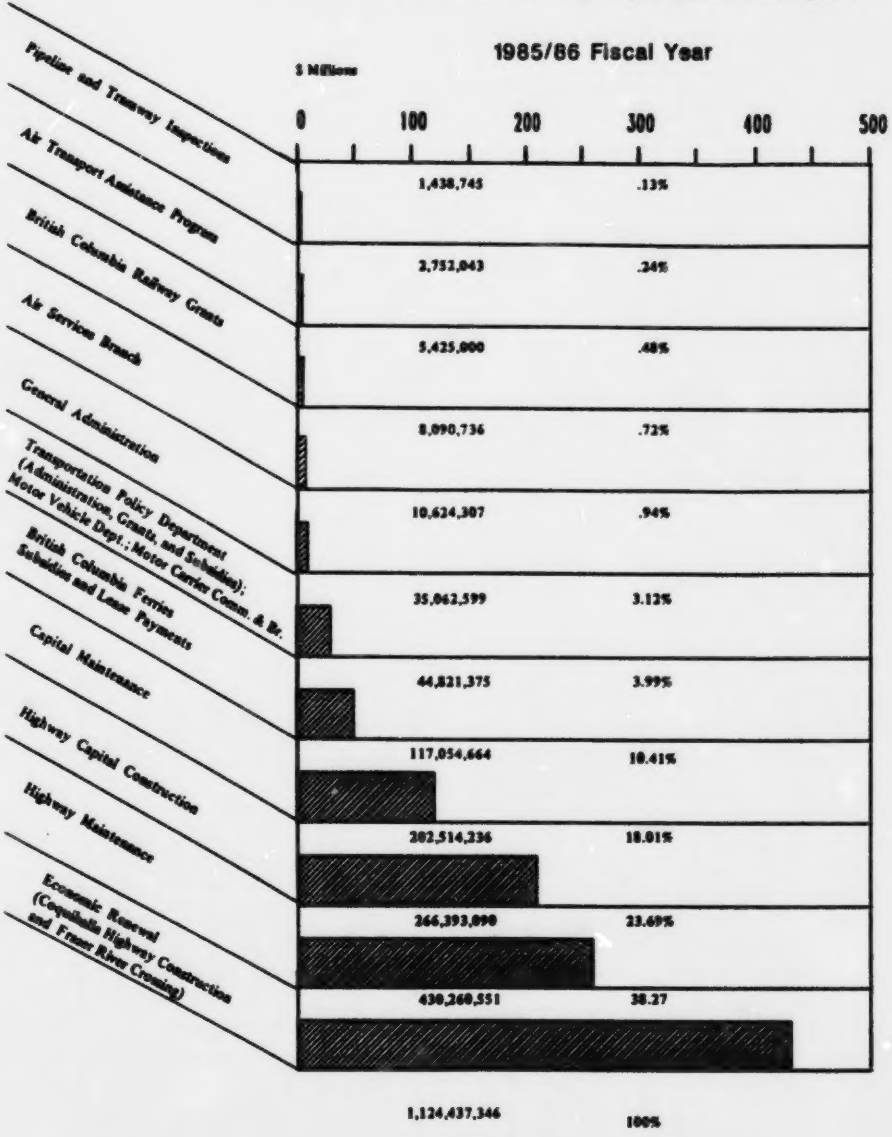
The Ministry provided a ferry subsidy of $40,000,000 to the B.C. Ferry Corporation, and a number of lesser subsidies to independent operators to provide ferry passenger and freight service to isolated communities. In addition, the ministry transferred its salt-water ferries and landings to the B.C. Ferry Corporation during October, while retaining responsibility for operation of the fresh-water ferries throughout the province.

The Ministry also provided a grant of $5,425,000 to B.C. Rail in 1985-86 to cover the operating loss on the Fort Nelson Extension and to provide assistance for the passenger service.

Disclaimer:

The financial statements contained in this annual report have been prepared by management in accordance with the accounting policies adopted by the Province of British Columbia. Management is responsible for the accuracy, integrity and objectivity of the information contained in these statements. Management maintains an extensive system of internal accounting controls to ensure that transactions are completely and accurately recorded on a timely basis, are properly approved and result in reliable financial statements.

The expenditures included here are incorporated in the combined financial statements of the Province, which are examined by the Auditor General. The Auditor General expresses an opinion as to whether the combined financial statements present fairly the financial position, operating results and changes in financial position of the Government of the Province of British Columbia in conformity with the stated accounting policies. This opinion is contained in the Auditor's Report which is included in the Public Accounts presented to the Legislative Assembly. However, at this time, the audit examination leading to this opinion is not yet complete.



How the Transportation and Highway's dollar was spent

1985/86 Fiscal Year

SUMMARY OF EXPENDITURES, FISCAL YEAR 1985-86

Vote Number	Vote Description	1985-86 Vote Estimates (Including Special Warrants) $	1985-86 Total Expenditures Cash Basis $	1985-86 Accruals $	1985-86 Total Expenditures Accrual Basis $	1985-86 Net Over (Under) Expenditures $	1984-85 Total Expenditures $
67	Minister's Office	224,728.00	200,029.96		200,029.96	(24,698.04)	187,780.47
68	Administration and Services Department:	10,814,278.00					
	-General Administration -Highways	9,784,423.00	9,449,915.49		9,449,915.49	(334,507.51)	9,017,487.32
	-General Administration -Transportation	1,029,855.00	974,000.83	359.74	974,361.57	(55,133.69)	1,029,444.25
69	Highway Operations Department:	597,603,665.00(1)					
	-Highway Maintenance	286,167,587.00	266,057,600.18	335,488.26	266,393,088.44	(19,439,010.30)	257,787,191.09
	-Highway Capital Maintenance	106,864,095.00	117,052,663.10	2,001.00	117,054,664.10	10,192,570.10	
	-Highway Capital Construction	204,571,973.00	201,972,082.07	542,154.10	202,514,236.17	(1,515,582.73)	407,830,214.85
	Hydro Development-Highways	10.00	637,572.28		637,572.28(2)		291,297.40
70	Motor Vehicle Department	32,456,912.00					25,294,845.88
	-Administration and Safety Branch	1,107,127.00	1,078,965.51	2,500.00	1,081,465.51	(23,161.49)	
	-Vehicle and Drivers Licencing Branch	24,366,521.00	23,394,415.17	576,449.68	23,970,864.85	180,793.53	
	-Standards and Compliance Branch	6,983,264.00	6,562,014.74	15,020.00	6,577,034.74	(391,209.26)	
71	Motor Carrier Commission and Branch:	2,693,472.00					
	-Motor Carrier Branch	2,238,760.00	2,073,972.84	2,257.00	2,076,229.84	(160,273.16)	2,195,585.38
	-Motor Carrier Commission	454,712.00	412,504.96		412,504.96	(42,207.04)	388,103.19

SUMMARY OF EXPENDITURES, FISCAL YEAR 1985-86 (continued)

Vote Number	Vote Description	1985-86 Vote Estimates (Including Special Warrants) $	1985-86 Total Expenditures Cash Basis $	1985-86 Accruals $	1985-86 Total Expenditures Accrual Basis $	1985-86 Net Over (Under) Expenditures $	1984-85 Total Expenditures $
72	Transportation Policy Department:	57,454,633.00					
	-Administration - Transportation Policy Dept.	231,756.00	149,510.43	5,487.70	154,998.13	(71,270.17)	184,543.61
	-Transportation Policy Analysis Branch	1,324,151.00	789,501.27		789,501.27	(534,649.73)	2,986,857.92
	-Air Transport Assistance	2,859,121.00	2,752,043.15		2,752,043.15	(107,077.85)	
	-Engineering Inspection Branch	1,566,905.00	1,438,494.72	250.00	1,438,744.72	(127,910.28)	1,424,796.70
	-Contributions to British Columbia Ferry Corporation	44,822,700.00	43,570,980.53	1,250,395.06	44,821,375.59(3)	1,249,070.65	47,821,433.17
	-Contributions to British Columbia Railway Company	6,650,000.00	5,425,000.00		5,425,000.00	(1,225,000.00)	7,650,000.00
73	Air Services Branch	8,446,603.00	8,064,407.63	26,328.46	8,090,736.09(4)	(329,538.45)	5,073,237.02
74	Economic Renewal-Special Highway Highway Capital Construction Projects:	456,055,000.00					
	-Coquihalla Highway Construction	281,072,953.00	277,958,733.35	417,081.21	278,375,814.56	(2,280,057.23)	
	-Fraser River Crossing (Annacis) Construction	174,982,047.00	151,570,986.26	313,750.62	151,884,736.88	(22,783,559.50)	
TOTAL, GROSS EXPENDITURES		1,165,749,291.00	1,121,585,395.47	3,489,522.83	1,125,074,918.30(5)	37,822,412.15	776,657,677.90

SUMMARY OF EXPENDITURES, FISCAL YEAR 1985-86 (continued)

NOTES: (1) Includes Special Warrant Number 5 in the amount of $118,800,000.00

(2) The sum of $637,572.28 is recoverable for B.C. Hydro and Power Authority in connection with the capital construction work paid for through this vote.

(3) Comprised of the Annual Subsidy to the B.C. Ferry Corporation ($40,000,000.) and lease payments ($4,821,375.59) for three vessels operated by the Corporation.

(4) Reflected in this figure is the recovery credit of $181,426.00 received from "Other Ministries and Outside Parties" using the Air Services Branch.

(5) Reflected in this figure is the credit sum of $3,489,522.83 which represents accrued credits applicable to fiscal year 1985-86.

SUMMARY OF EXPENDITURE BY VOTE, FISCAL YEAR 1985-86

1984-85					1985-86			
$	$	$	$		$	$	$	$
187,780.47				Vote 67-Minister's Office				200,029.96
				Vote 68-Administration and Services Department:				
	9,017,487.32			-General Administration - Highways			9,449,915.49	
10,046,931.57	1,029,444.25			-General Administration - Transportation			974,361.57	10,424,277.06
				Vote 69-Highway Operations Department:				
				Highway Maintenance:				
			170,101,325.83	Roads:	185,797,920.05			
			49,708,786.00	-Snow removal	48,009,987.88			
		216,279,533.83	3,530,578.00CR	-Intra-Ministry materials usage credits	5,768,391.00CR	228,039,516.93		
		9,954,990.51		Bridges		10,766,005.37		
		34,252,180.65		Ferries		25,329,985.83		
		53,491,995.79		Machinery maintenance and operation:		61,269,520.41		
	257,787,191.09	56,191,509.69CR		-Intra-Ministry equipment rental credits		59,011,940.10CR	266,393,088.44	
				Highway Capital Maintenance:				
				Roads		68,104,566.04		
				Bridges		5,499,664.00		
				Ferry Landing		724,865.65		
				Ferries		505,542.93		
				Paving		42,220,025.48	117,054,664.10	
				Highway Construction:				
				Roads:				
			929,901.89	-Equipment capital purchases	1,040,028.38			
			556,455.20	-Radio-mobile installations	449,992.05			
			202,852,331.04	-Roads construction generally	93,488,255.94			
			1,047,934.42	-Roadside development and landscape	2,451,123.83			
		206,375,888.98	989,266.43	-Scientific and technical equipment	1,044,882.34	98,474,282.54		

SUMMARY OF EXPENDITURE BY VOTE, FISCAL YEAR 1985-86 (cont[illegible]d)

1984-85					1985-86			
$	$	$	$		$	$	$	$
				Vote 69–Highway Operations Department - continued				
				Planning and Engineering Services:				
			176,802.08	-Archaeological explorations	132,942.15			
			9,903,040.22	-Geotechnical and materials engineering	11,147,618.97			
			588,654.34	-Highway safety measures	624,000.33			
			379,885.63	-Legal surveys	520,928.96			
			14,461,706.77	-Planning and engineering services generally	7,854,463.83			
			3,857,851.03	-Signals,lighting etc.	4,338,289.68			
		37,576,696.99	8,208,756.92	-Surveys generally	9,873,232.87	34,491,476.79		
		25,462,791.72		-Rights-of-way and property purchases		16,532,754.09		
				Municipal Programs:				
			584,287.92	-Municipal contributions	721,877.97			
		1,638,854.53	1,054,566.61	-Secondary highways	1,511,685.29	2,233,563.26		
		103,418,845.58		Bridges		40,925,621.59		
	407,830,214.85	33,357,137.05		Paving		9,856,537.90	202,514,236.17	
				Hydro Development - Highway Construction:				
		208,234.88		Roads construction..... (Gross Expenditure)				
		4,147.29		Bridges.................. (Gross Expenditure)			637,572.28	
685,908,703.34	291,297.40	78,915.23		Paving.................. (Gross Expenditure)				586,599,560.99(1)

SUMMARY OF EXPENDITURE BY VOTE, FISCAL YEAR 1985-86 (continued)

	1984-85					1985-86		
$	$	$	$		$	$	$	$
				Vote 70-Motor Vehicle Department:				
				Administration and Safety Branch:				
	606,062.70			-Administration - Administration and Safety Branch			618,917.87	
	474,265 03			-Road User Safety Program		462,547.64		
				Vehicles and Drivers Licencing Branch:				
	270,825.50			-Regional Coordinator's Program			243,262.62	
	15,592,093.86			-Vehicle Licencing Division		14,308,560.50		
	9,072,326.95			-Drivers Licencing Division		9,419,041.73		
				Standards and Compliance Branch:				
	4,796,366.81			-Commercial Transport Division			5,090,526.64	
	1,114,468.15			-Motor Vehicle Inspection Division			1,433,882.57	
31,989,705.53	63,296.53			-Standards and Industrial Roads Division			52,625.53	31,629,365.10
				Vote 71-Motor Carrier Commission and Branch:				
	2,195,585.38			Motor Carrier Branch			2,076,229.84	
2,583,688.57	388,103.19			Motor Carrier Commission		412,504.96	2,488,734.80	
				Vote 72-Transportation Policy Department:				
		184,543.61		Administration -Transportation Policy Department		154,998.13		
	1,058,885.27	874,341.66		-Transportation Policy Analysis Branch		789,501.27	944,499.40	
	2,112,516.26			-Air Transport Assistance Program			2,752,043.15	
	1,424,796.70			Engineering Inspection Branch			1,438,744.72	
	47,821,433.17			Contributions - B.C. Ferry Corp.			44,821,375.59(2)	
	7,650,000.00			Contributions - B.C. Railway Co.			5,425,000.00	55,381,662.86
59,008,746.13								
				Vote 73-Air Services Branch:				
	5,213,491.02			Expenditures			8,272,162.09	
5,073,237.02	140,254.00CR			Recoveries			181,426.00CR	8,090,736.09(3)

SUMMARY OF EXPENDITURE BY VOTE, FISCAL YEAR 1985-86 (continued)

1984-85 $		1985-86 $	$	$
800,000.00	Special Warrant Number 17: B.C.Railway - Newman Creek Railway Bridge			
	Vote 74-Economic Renewal - Special Highway Capital Construction Projects:			
	Coquihalla Highway Construction:			
	-Roads	197,548,032.26		
	-Bridges	50,737,311.75		
	-Paving	17,278,327.28		
	-Planning and Engineering Services	7,994,792.84		
	-Rights-of-way and Property Purchases	4,817,350.43	278,375,814.56	
	Fraser River Crossing (Annacis)			
	-Roads	58,261,002.97		
	-Bridges	82,436,889.71		
	-Paving	31,917.00		
	-Planning and Engineering Services	2,416,048.71		
	-Rights-of-way and Property Pruchases	8,738,878.49	151,884,736.88	430,260,551.44
776,657,677.90(4)	TOTAL, GROSS EXPENDITURE			1,125,074,918.30(4)

SUMMARY OF EXPENDITURE BY VOTE, FISCAL YEAR 1985-86 (continued)

NOTES: (1) The sum of $637,572.28 is recoverable from B.C. Hydro and Power Authority in connection with the capital construction work paid for through this Vote.

(2) Comprised of the Annual Subsidy to the B.C. Ferry Corporation ($40,000,000.) and lease payments ($4,821,375.59) for three vessels operated by the Corporation.

(3) Reflected in this figure is a recovery credit of $181,426.00 received from "Other Ministries and Outside Parties" using the Air Services Branch.

(4) Reflected in this figure is the credit sum of $3,489,522.83 which represents accrued credits applicable to fiscal year 1985-86.

DETAILS OF EXPENDITURES BY APPROPRIATIONS AND ACTIVITIES, AND BY STANDARD EXPENDITURE CLASSIFICATIONS

VOTE 67

MINISTER'S OFFICE

This vote provides for the operation of the Office of the Minister of Transportation and Highways, including the minister's salary and expenses and those of the immediate staff.

1984-85			1985-86	
Appropriations	Actual Expenditures	Group account classification	Appropriations	Actual Expenditures
	178,311	Salaries and benefits		194,356
	9,469	Operating costs		5,674
218,797	187,780		224,728	200,030

VOTE 68

ADMINISTRATION AND SERVICES DEPARTMENT

This vote provides for the executive direction of the ministry and for the administrative and support services to the operating, planning and research program, including the management of the ministry's resources.

1984-85			1985-86	
Appropriations	Actual Expenditures	Group account classification	Appropriations	Actual Expenditures
	4,786,720	Salaries and benefits		5,085,625
	4,726,763	Operating costs		4,780,630
	533,449	Asset acquisitions		558,022
		Other expenditures		
10,213,139	10,046,932		10,814,278	10,424,277

VOTE 69

HIGHWAY OPERATIONS DEPARTMENT

This vote provides for the year-round maintenance and operation of the existing highway and ferry system, and for the development and expansion of the system to meet transportation needs of industry and the general public including:

(a) Highway Maintenance - This sub-vote provides for the maintenance and operation of highways and roads, bridge structures, ferry routes, ferry landings, and tunnels, the operation and replacement of equipment and winter maintenance involving snow and ice removal. Contributions are provided to various organizations in support of ski hill access, highway research and other transportation related activities. This sub-vote also provides for recoveries from within the ministry for the use of equipment or the provision of services.

(b) Highway Capital Maintenance - This sub-vote provides for the improvement of the existing highway and ferry system to a prescribed level of maintenance and operation.

(c) Highway Capital Construction - This sub-vote provides for the development and expansion of the highway and ferry system in accordance with the economic development objectives of the government. This includes planning, engineering, design, survey, construction, reconstruction, paving, and right-of-way acquisition and property purchase, all relating to provincial highways, roads, bridges, ferries, ferry landings and tunnels. It provides for the purchase of equipment and machinery and payment of authorized contributions to other levels of government in connection with their highway systems. It also provides for participation in programs supporting the promotion and economic development of the Province of British Columbia.

(d) Hydro Development Highway Construction - This sub-vote provides for all relocation and/or reconstruction costs of provincial highways resulting from construction of dams. All relocations and reconstruction costs are recovered from the British Columbia Hydro and Power Authority.

1984-85				1985-86	
Appropriations	Actual Expenditures	Group account classification		Appropriations	Actual Expenditures
	182,905,849	Salaries and benefits			176,422,591
	212,672,940	Operating costs			223,975,772
	267,503,497	Asset acquisitions			180,418,049
	3,264,720	Grants and contributions			5,666,755
	117,091	Other expenditures			237,492
		Recoveries:			
		British Columbia Hydro and Power Authority	637,572 cr		
	405,394 cr	British Columbia Buildings Corp.	121,098 cr		758,670 cr
	150,000 cr	British Columbia Ferry Corporation			
		Estimated		478,803,665	
		Special Warrant No. 5		118,800,000	
461,206,545		Main Estimates:			
100,000,000		Special Warrant No.2			
121,588,000		Special Warrant No.16			
682,794,545	665,908,703			597,603,665	585,961,989

VOTE 70

MOTOR VEHICLE DEPARTMENT

This vote provides for the administration of the laws, regulations, and policies governing the operation of motor vehicles and industrial equipment in accordance with provisions of the Motor Vehicle Act, the Commercial Transport Act, the Motor Vehicle (All Terrain) Act and the Highway (Industrial) Act and accompanying regulations including:

(a) Administration and Safety Branch - This sub-vote provides for the offices of the Superintendent of Motor Vehicles and branch directors, for coordinated direction for the motor vehicle department, and for planning, development and implementation of related policies and procedures including effective road user safety programs. Grants are provided to regional safety councils for coordinated activities promoting road user safety.

(b) Vehicle and Drivers Licensing Branch - This sub-vote provides for the registration and licensing of motor vehicles operating on public highways and roads and includes the issuance of automobile insurance policies for the Insurance Corporation of British Columbia, and the licensing of persons to operate motor vehicles on public highways and roads. The latter includes the monitoring of driving records, determining the ability and fitness of persons to operate motor vehicles and collecting revenue resulting from the issuance of licences and permits.

(c) Standards and Compliance Branch - This sub-vote provides for the development and implementation of industrial road safety programs, the establishment of industrial equipment standards and standards of maintenance; and operator licensing practices and procedures as specified by the Highway (Industrial) Act. This sub-vote also monitors all commercial vehicle routes involving load measurement and weighing, issuing permits, traffic tickets and warnings, and collecting revenue resulting from the issuance of permits.

1984-85			1985-86	
Appropriations	Actual Expenditures	Group account classification	Appropriations	Actual Expenditures
	14,983,078	Salaries and benefits		15,799,983
	15,699,211	Operating costs		13,903,217
	840,837	Asset acquisitions		1,457,073
	459,452	Grants and contributions		460,709
	7,128	Other expenditures		8,383
28,035,515		Main Estimates:		
4,820,000		Special Warrant No.5		
32,855,515	31,989,706		32,456,912	31,629,365

VOTE 71

MOTOR CARRIER COMMISSION AND BRANCH

This vote provides for the regulation of the motor carrier industry through hearings, inspections and licensing procedures including:

(a) Motor Carrier Commission - This sub-vote provides for the regulation of the motor carrier industry intra-provincially by a provincial board pursuant to the Motor Carrier Act, and inter-provincially by membership on a federal board pursuant to the Motor Vehicle Transport Act (Canada).

(b) Motor Carrier Branch - This sub-vote provides for investigations into the licensing of the commercial motor carrier industry in the for-hire transportation of freight and passengers. It provides for examination of schedules of rates charged by carriers as well as time schedules and the collection of revenue resulting from the issuance of licences. It also provides for recommendations to the Motor Carrier Commission, the implementation of decisions made by the commission with respect to such applications, and for safety inspections of public passenger vehicles.

1984-85			1985-86	
Appropriations	Actual Expenditures	Group account classification	Appropriations	Actual Expenditures
	1,810,777	Salaries and benefits		1,832,254
	694,867	Operating costs		632,277
		Asset acquisitions		24,204
	78,045	Other expenditures		
2,627,154	2,583,689		2,693,472	2,488,735

VOTE 72

TRANSPORTATION POLICY DEPARTMENT

This vote provides for the development, evaluation and implementation of transportation policy in marine, air, rail and other surface systems. It also provides for regulatory activity under the Pipeline Act and Railway Act and for contributions to certain government corporations. Major programs and activities include:

(a) Administration - Transportation Policy Department - This sub-vote provides executive direction of the department.

(b) Transportation Policy Analysis Branch - This sub-vote provides for the development of a comprehensive provincial transportation policy, including consideration of the transportation services of the British Columbia Ferry Corporation and the British Columbia Railway Company. This sub-vote also provides for grants to the B.C. aviation council and to the Western Transportation advisory council.

(c) Air Transport Assistance Program - This sub-vote provides grants to communities for development of local airport facilities.

(d) Engineering Inspection Branch - This sub-vote provides for regulatory activity, such as monitoring of construction, final inspections and annual inspection or certification of industrial projects under the Railway Act and Pipeline Act. The branch also examines and certifies operating personnel for railway and aerial tramways.

(e) Contribution to the British Columbia Ferry Corporation - This sub-vote provides for a contribution to the British Columbia Ferry Corporation and for lease payments and related administrative costs for ferries leased to and operated by the corporation.

(f) Contribution to the British Columbia Railway Company - This sub-vote provides for a contribution to the British Columbia Railway Company to compensate the railway for the operating loss on government mandated services.

1984-85			1985-86	
Appropriations	Actual Expenditures	Group account classification	Appropriations	Actual Expenditures
	1,714,016	Salaries and benefits		1,714,470
	1,654,520	Operating costs		821,009
	5,118,199	Asset acquisitions		5,243,664
	51,580,896	Grants and contributions		47,575,520
61,503,579	60,067,631		57,454,633	55,381,663

VOTE 73

AIR SERVICES BRANCH

This vote provides for the air services requirements of the provincial government including the acquisition and maintenance of aircraft, air and ground crews and other related operating and administrative costs. Recoveries are received from other ministries for staff travelling on government aircraft.

1984-85			1985-86	
Appropriations	Actual Expenditures	Group account classification	Appropriations	Actual Expenditures
	1,998,112	Salaries and benefits		2,271,014
	3,185,467	Operating costs		3,835,453
	29,912	Asset acquisitions		2,165,695
		Other expenditures		
		Recoveries:		
	140,254 cr	Ministries	120,458 cr	
		Other	60,968 cr	181,426 cr
5,228,694	5,073,237		8,446,603	8,090,736

AIR TRANSPORT ASSISTANCE PROGRAM
SUMMARY OF AIRPORT ASSISTANCE PROJECTS

Project	Description	Electoral District	Recipient	$
A-0492	Administration and Overhead, Air Transport Assistance Program	Headquarters	N/A	256,616.07
A-1104	B.C. Aviation Council Airport Owners and Operators Division	Headquarters	B.C. Aviation Council	40,000.00
A-2304	District of Vanderhoof, extension of runway at Vanderhoof Airport	Omineca	District of Vanderhoof	319,248.89
A-2672	District of Tumbler Ridge, grading of runway and construction of access road at Tumbler Ridge Airport	South Peace River	District of Tumbler Ridge	350,000.00
A-2675	Village of Cache Creek, runway paving and development of of Ashcroft/Cache Creek Airport	Yale-Lillooet	Village of Cache Creek	208,878.19
A-3259	Toad River airstrip approach clearing and grading	North Peace River	Toad River Community Club	14,000.00
A-3547	Village of Pemberton, installation of microwave landing system at Pemberton Airport and paving runway extensions	West Vancouver-Howe Sound	Village of Pemberton	750,000.00
A-3548	District of Chilliwack, expansion of runway and taxiway at Chilliwack Airport	Chilliwack	District of Chilliwack	354,000.00
A-3549	Bella Bella, crushed rock surfacing of runway at the Bella Bella Community Airport	Mackenzie	Denny Island Airport Society	315,000.00
A-3550	East Kootenay Regional District, erect fence around Elk Valley Airport near Sparwood	Kootenay	East Kootenay Regional District	60,000.00
A-3551	City of Nelson, construct terminal building at Nelson Airport	Nelson-Creston	City of Nelson	50,000.00
A-3773	Lillooet Airport,purchase of modular building and installation of utilities	Yale-Lillooet	Village of Lillooet	9,300.00
A-3792	Chetwynd Airport install perimeter fence	South Peace River	District of Chetwynd	25,000.00
Total Grants Awarded:				2,752,043.15

VOTE 74

ECONOMIC RENEWAL
SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS

This vote provides for the additional development and expansion of the provincial highway system in accordance with the Economic Renewal Program objectives of the government and includes:

(a) Coquihalla Highway Construction - This sub-vote provides for the construction of the Coquihalla Highway and related projects. This includes planning, engineering, design, survey, construction, reconstruction, paving and right-of-way acquisition and property, equipment and machinery purchases.

(b) Fraser River Crossing (Annacis) Construction - This sub-vote provides for the construction of the Fraser River Crossing at Annacis and related projects. This includes planning, engineering, design, survey, construction, reconstruction, paving and right-of-way acquisition and property, equipment and machinery purchases.

1984-85			1985-86	
Appropriations	Actual Expenditures	Group account classification	Appropriations	Actual Expenditures
		Salaries and benefits		26,653,920
		Operating costs		70,537,648
		Asset acquisitions		333,068,983
			456,055,000	430,260,551

STATEMENT OF REVENUE AND EXPENDITURES FOR FERRIES FOR WHICH THE COST OF MAINTENANCE AND OPERATION IS PROVIDED FOR IN MINISTRY OF TRANSPORTATION AND HIGHWAYS ESTIMATES

Name of Ferry	1984/85		1985/86	
	Revenue $	Expenditures $	Revenue $	Expenditures $
Albion-Fort Langley Ferry	NIL	2,090,226.58	NIL	1,822,645.00
Alert Bay Ferry	371,312.10	1,899,559.40	231,500.38	849,901.11
Arrow Park Ferry	NIL	120,647.03	NIL	136,029.85
Barkley Sound Ferry subsidy	NIL	253,000.00	NIL	129,900.56
Barnston Island Ferry subsidy	NIL	365,984.49	NIL	351,413.79
Big Bar Ferry	NIL	66,999.06	NIL	70,263.10
Castlegar Ferry	NIL	238,233.97	NIL	199,575.00
Clayhurst Ferry	NIL	373,200.50	NIL	341,416.00
Coast Ferry Subsidy	NIL	NIL	NIL	128,396.74
Comox-Powell River Ferry	1,929,688.14	5,362,465.14	1,350,679.45	3,317,565.80
Cortes Island Ferry	135,363.35	872,985.75	90,988.10	630,827.62
Denman Island Ferry	332,749.51	1,594,455.09	231,529.45	587,084.65
Francois Lake Ferry	NIL	1,441,066.53	NIL	1,578,727.11
Gabriola Ferry	740,035.14	2,624,796.14	427,228.05	1,635,931.73
Glade Ferry	NIL	178,409.11	NIL	162,626.55
Harrop Ferry	NIL	246,218.18	NIL	201,052.63
Hornby Island Ferry	119,889.90	858,491.46	100,239.80	519,958.69
Kootenay Lake Ferry	NIL	2,091,749.58	NIL	1,777,291.31
Lasqueti Island Ferry subsidy	NIL	194,000.00	NIL	99,607.57
Little Fort Ferry	NIL	75,971.94	NIL	66,308.29
Lytton Ferry	NIL	274,603.55	NIL	NIL
Marguerite Ferry	NIL	86,227.62	NIL	95,291.50
McLure Ferry	NIL	72,645.96	NIL	50,095.83
Miscellaneous	NIL	3,730,958.04	NIL	NIL
Misty Islands Ferry subsidy	NIL	33,000.00	NIL	16,943.55
Needles-Fauquier Ferry	NIL	1,037,195.85	NIL	1,088,292.80
Newcastle Island Ferry subsidy	NIL	17,260.00	NIL	17,964.29
North Bend Ferry	NIL	354,500.00	NIL	455,812.91
Prince Rupert Ferry subsidy (Dodge Cove)	NIL	15,500.04	NIL	7,958.35
Quadra Island Ferry	577,102.70	1,751,501.83	635,730.25	1,034,705.16
Queen Charlotte Islands Ferry	186,758.15	747,708.99	109,679.40	801,933.37
Shuswap Lake Ferry subsidy	NIL	26,400.00	NIL	26,400.00
Sunshine Bay Drydock	NIL	12,598.60	NIL	4,490.86
Texada Island Ferry	232,779.05	1,920,695.03	202,702.70	895,990.26
Thetis Island Ferry	157,036.65	1,240,457.29	106,638.20	632,439.84
Upper Arrow Lakes Ferry	NIL	1,504,471.62	NIL	1,465,841.84
Usk Ferry	NIL	127,000.00	NIL	132,777.04
Woodfibre Ferry subsidy (Western Pulp)	NIL	14,973.23	NIL	NIL
TOTALS:	4,782,714.69	33,916,157.60	3,486,915.78	21,333,460.70

STATEMENT OF VALUE OF INTRA-MINISTRY USAGE BY HIGHWAY DISTRICT AND BRANCH, FISCAL YEAR 1985–86

Highway District and Branch	Value of Usage of Ministry Owned Equipment $	Value of Usage of Crushed Gravel $
DISTRICTS:		
Burns Lake	1,156,701.00	123,870.00
Centreline Marking	506,630.00	NIL
Chilliwack	2,667,493.00	158,791.00
Courtenay	1,663,117.00	161,110.00
Cranbrook	843,798.00	138,635.00
Creston	788,760.79	66,841.00
Dawson Creek	1,925,294.00	38,314.00
Dease lake	1,192,073.00	174,845.00
Dock Engineering and Operations Unit	206,093.00	NIL
Electrical Maintenance	453,638.00	NIL
Fernie	697,704.18	122,596.00
Fort St. John	2,107,312.00	485,949.00
Golden	921,516.00	52,544.00
Gibsons	620,367.00	58,573.00
Grand Forks	890,514.86	141,043.00
Kamloops	1,618,071.00	276,438.00
Kelowna	1,036,294.00	88,345.00
Lillooet	1,020,242.00	247,517.00
Merritt	1,471,655.00	299,527.00
McBride	1,044,870.00	109,612.00
Nanaimo	1,462,405.00	143,123.00
Nelson	1,150,862.07	73,802.00
New Denver	1,070,356.00	88,871.00
New Westminster	1,913,880.00	157.00
North Vancouver	1,266,374.00	35,473.00
100 Mile House	1,316,046.00	341,148.00
Patrol	148,976.00	NIL
Penticton	1,396,282.00	173,724.00
Port Alberni	931,067.59	97,574.00
Prince George	2,651,509.00	72,613.00
Prince Rupert	1,059,106.00	415,802.00
Quesnel	2,281,249.00	394,509.00
Revelstoke	1,114,987.00	80,451.00
Rossland	986,731.00	144,252.00
Saanich	1,247,765.00	49,670.00
Salmon Arm	1,210,872.00	172,462.00
Smithers	1,040,337.00	149,073.00
Terrace	832,105.00	75,224.00
Vanderhoof	1,411,441.00	45,680.00
Vernon	1,024,848.00	202,800.00
Williams Lake	1,774,196.00	267,433.00
Region 6 Ferry District	11,540.00	NIL
REGIONS:		
Headquarters – Region 1	387,999.00	NIL
Headquarters – Region 2	318,076.00	NIL
Headquarters – Region 3	314,564.61	NIL
Headquarters – Region 4	424,806.00	NIL
Headquarters – Region 5	111,325.00	NIL
Headquarters – Region 6	29,443.00	NIL
AIR SERVICES BRANCH:		
Air Services Operations	22,806.00	NIL
MOTOR VEHICLE DEPARTMENT:		
Administration and Safety Branch	23,566.00	NIL
Commercial Transport Division	144,637.00	NIL
Motor Vehicle Inspection Division	150,309.00	NIL
Regional Co-ordinators Program	29,547.00	NIL
Vehicle Licencing Division	15,400.00	NIL
Drivers Services/Field Operations	78,516.00	NIL
Motor Carrier Commission	6,520.00	NIL
Motor Carrier Branch	35,824.00	NIL

STATEMENT OF VALUE OF INTRA-MINISTRY USAGE BY HIGHWAY DISTRICT AND BRANCH, FISCAL YEAR 1985-86 (continued)

Highway District and Branch	Value of Usage of Ministry Owned Equipment $	Value of Usage of Crushed Gravel $
TRANSPORTATION POLICY DEPARTMENT:		
Engineering Inspection Branch	77,656.00	NIL
HEADQUARTERS:		
Assistant Deputy Minister-Administration and Services Department	17,300.00	NIL
Bridge Engineering Branch	371,604.00	NIL
Communications Engineer	213,343.00	NIL
Construction Branch	2,183,670.00	NIL
Equipment Services Branch	141,867.00	NIL
Financial Services Branch	6,871.00	NIL
Geotechnical and Materials Engineering Branch	1,491,388.00	NIL
Highway Design and Surveys Branch	480,146.00	NIL
Maintenance Services Branch	3,044.00	NIL
Paving Branch	1,740,119.00	NIL
Traffic Engineering	57,515.00	NIL
TOTALS	59,011,940.10	5,768,391.00

STATEMENT OF EXPENDITURE BY HIGHWAY DISTRICT (INCLUDING HEADQUARTERS), FISCAL YEAR 1985/86

VOTE 069 HIGHWAY MAINTENANCE

Highway District	Roads $	Snow Removal $	Bridges $	Ferries $	Machinery $	1985-86 Total $	1984-85 Total $
REGION/DISTRICT 1 - BURNABY	2,526,986.92		713,676.85			3,240,663.77	2,462,754.16
North Vancouver	3,448,774.32	866,573.65	251,383.83			4,566,731.80	4,715,932.42
Gibsons	1,643,264.32	393,349.54	61,930.51			2,098,544.37	2,135,632.90
Patrol	876,485.93					876,485.93	699,947.38
New Westminster	5,885,618.23	705,122.34	704,510.92	2,174,058.79		9,469,310.28	9,581,176.25
Chilliwack	5,134,967.01	2,518,627.45	275,924.87	265,000.00		8,194,519.33	7,986,204.30
Dock Engineering and Operations	164,544.02					164,544.02	423,625.17cr
Electrical Maintenance	2,371,987.94					2,371,987.94	2,379,872.21
Centreline Marking	5,421,002.51					5,421,002.51	4,835,866.54
REGION/DISTRICT 2 - KAMLOOPS	2,516,495.16		219,855.58			2,736,350.74	2,614,296.70
Kamloops	3,603,826.07	1,789,051.26	244,032.42	116,404.12		5,753,313.87	5,280,799.86
Salmon Arm	3,140,476.68	1,290,826.36	293,032.00	26,400.00		4,750,735.04	4,593,477.45
Vernon	2,890,893.11	1,088,382.00	127,385.11			4,106,660.22	3,950,805.31
Penticton	3,041,834.38	1,367,989.92	146,423.64			4,556,247.94	4,377,293.13
Merritt	1,788,584.47	1,837,447.52	149,271.99	190,812.91		3,966,116.89	3,615,696.29
Lillooet	2,648,680.65	892,072.39	176,553.64			3,717,306.68	3,453,760.62
100 Mile House	3,327,882.79	1,281,478.13	120,357.58	70,263.10		4,799,981.60	4,148,440.05
Kelowna	2,489,068.76	1,160,543.47	151,520.75			3,801,132.98	3,710,148.71
REGION/DISTRICT 3 - NELSON	1,895,468.76		420,663.05			2,316,131.81	2,091,451.54
Nelson	2,263,636.13	1,143,691.25	222,763.43	2,145,461.35		5,775,552.16	5,997,679.52
Rossland	1,891,968.22	1,270,905.96	82,342.76	199,575.00		3,444,791.94	3,251,350.45
Grand Forks	2,096,234.31	973,431.16	127,884.27			3,197,549.74	2,931,270.63
New Denver	2,149,713.86	1,014,030.46	138,173.09	1,224,322.65		4,526,240.06	4,406,439.61
Cranbrook	2,186,855.91	818,383.67	134,917.15			3,140,156.73	2,924,308.42
Fernie	1,648,915.62	833,616.09	91,561.89			2,574,093.60	2,638,578.46
Golden	2,168,738.90	860,385.45	166,764.28			3,195,888.63	3,284,227.85
Revelstoke	1,851,267.57	1,495,966.94	132,845.72	1,465,841.84		4,945,922.07	4,724,201.72
Creston	1,900,994.76	990,491.68	98,913.83			299,400.27	2,941,160.72
REGION/DISTRICT 4 - PRINCE GEORGE	2,206,182.01		423,639.67			2,629,821.68	2,162,611.47
Prince George	4,285,510.29	3,223,792.76	390,875.32			7,900,178.37	7,368,597.74
Quesnel	3,791,964.73	2,461,898.10	207,305.59	95,291.50		6,556,459.92	5,938,932.95
Dawson Creek	4,992,481.16	2,589,909.39	278,619.28	341,416.00		8,202,425.83	7,496,743.72

STATEMENT OF EXPENDITURE BY HIGHWAY DISTRICT (INCLUDING HEADQUARTERS), FISCAL YEAR 1985/86 (continued)

VOTE 069 HIGHWAY MAINTENANCE (continued)

Highway District		Roads $	Snow Removal $	Bridges $	Ferries $	Machinery $	1985-86 Total $	1984-85 Total $
Fort St. John		4,734,873.94	1,919,414.07	317,406.88			6,971,694.89	5,864,574.07
Vanderhoof		2,867,858.97	1,258,006.20	197,811.21			4,323,676.38	3,801,928.87
McBride		2,172,473.87	1,392,192.21	148,358.47			3,713,024.55	3,460,343.85
Williams Lake		4,332,999.11	1,744,922.28	341,745.81			6,419,667.20	6,098,886.46
REGION/DISTRICT 5 - TERRACE		1,384,662.47		117,848.42			1,502,510.89	1,679,146.32
Prince Rupert		2,724,879.58	1,162,530.89	219,044.58	826,835.27		4,933,290.32	4,595,357.70
Terrace		1,682,194.11	936,125.29	160,913.24	132,777.04		2,912,009.68	3,281,924.05
Dease Lake		3,078,617.08	1,395,965.04	99,304.21			4,573,886.33	4,077,123.71
Smithers		2,949,279.82	1,248,449.49	167,236.99			4,364,966.30	3,719,513.02
Burns Lake		2,402,582.28	1,045,398.21	123,059.50	1,578,727.11		5,149,767.10	4,820,986.10
REGION/DISTRICT 6 - NANAIMO		998,567.39		61,968.71			1,060,536.10	1,472,209.46
Nanaimo		4,325,158.93	815,477.61	185,796.48	17,964.29		5,344,397.31	5,015,010.55
Saanich		4,513,490.36	587,138.94	360,746.00			5,461,375.30	5,266,178.53
Port Alberni		3,105,855.22	665,985.34	185,239.69	229,508.13		4,186,588.38	4,422,311.07
Courtenay		5,262,974.79	970,415.37	322,643.59			6,556,033.75	6,193,124.12
Region 6 Ferry District					10,104,404.86		10,104,404.86	18,125,407.13
ROADS GENERALLY								
PROJECTS:								
E-0067-Traffic Branch (Headquarters operations)	709,480.75							
E-0068-Street lighting and traffic signals	1,729,305.21							
E-1773-Automatic railway signal maintenance	419,891.87							
F-0041-Leases and agreements (Headquarters)	201,152.96							
F-0043-Taxes	8,463.38							
F-0044-Advertising & Publicity	30,321.77							
F-0045-Legal Expenses	2,316.31							
F-0048-Damage claims	367,978.98							

STATEMENT OF EXPENDITURE BY HIGHWAY DISTRICT (INCLUDING HEADQUARTERS), FISCAL YEAR 1985/86 (continued)

VOTE 069 HIGHWAY MAINTENANCE (continued)

Highway District		Roads $	Snow Removal $	Bridges $	Ferries $	Machinery $	1985-86 Total $	1984-85 Total $
ROADS GENERALLY - continued								
PROJECTS:								
F-0049-Insurance re trailer moves & household effects	35,749.00							
F-0051-Miscellaneous	43,321.42							
F-0052-Grants, engineering and dyking	124,988.94							
F-1802-Reimbursement from union - leave without pay	308,635.05cr							
F-3629-Railway crossing maintenance ice and snow removal	11,997.83							
H-0060-Highway signs operations (financing)	13,874.69cr							
M-0053-Maintenance and services generally (Headquarters)	311,449.99							
M-0055-Avalanche control	439,410.29							
M-0056-Scenic Highway Act	995.00							
M-2457-Photocopier rental and operation charges	124,279.40							
M-2589-Telecommunication charges-districts & regions	1,785,225.94							
M-2604-Road maintenance-employee benefits	16,010,890.00							
M-3257-Stewart and Revelstoke, remote weather station installations	242,446.12							
M-3626-Takla Landing access	16,718.91							
T-1194-Highways road maintenance base occupancy charges	22,194,360.17							
T-1196-Highways road maintenance tenant improvement charges	396,213.00							

STATEMENT OF EXPENDITURE BY HIGHWAY DISTRICT (INCLUDING HEADQUARTERS), FISCAL YEAR 1985/86 (continued)

VOTE 069 HIGHWAY MAINTENANCE (continued)

Highway District		Roads $	Snow Removal $	Bridges $	Ferries $	Machinery $	1985-86 Total $	1984-85 Total $
ROADS GENERALLY - continued								
PROJECTS:								
Z-1237-Avalanche monitoring system	110,058.71							
Z-1240-Maintenance management	217,654.19							
Z-1241-Shared equipment	583,499.89							
Crushed gravel production	5,214,486.34							
Intra-Ministry material use credits	5,768,391.00cr	45,241,755.63					45,241,755.63	45,181,521.06
BRIDGES GENERALLY								
PROJECTS:								
B-0059-Bailey bridges	196,840.57							
B-2605-Bridge maintenance-employee benefits	1,006,912.00			1,203,752.57			1,203,752.57	1,068,143.92
FERRIES GENERALLY								
PROJECTS:								
H-0061-Ferries generally	709,728.53							
H-2606-Ferry maintenance-employee benefits	3,013,137.00							
H-3061-Coast ferries subsidy	128,396.74							
T-1198-Highways ferries -base occupancy charges	257,168.31							
T-1199-Highways ferries tenant improvement charges	8,000.00							
Z-1242-Ferry management system	8,491.29				4,124,921.87		4,124,921.87	4,066,981.09

STATEMENT OF EXPENDITURE BY HIGHWAY DISTRICT (INCLUDING HEADQUARTERS), FISCAL YEAR 1985/86 (continued)

VOTE 069 HIGHWAY MAINTENANCE (continued)

Highway District		Roads $	Snow Removal $	Bridges $	Ferries $	Machinery $	1985-86 Total $	1984-85 Total $
MACHINERY GENERALLY								
PROJECTS:								
H-0063–Machinery (Hdqtrs. maintenance and operations generally)	2,160,121.40							
H-0064–Autoplan insurance	1,073,410.40							
H-0065–Radio-mobile maintenance	1,278,218.32							
H-0066–Machinery replacement, motor vehicles	1,854,252.38							
H-1310–Machinery and equipment replacement	7,290,515.29							
H-2607–Machinery maintenance & operations–employee benefits	2,845,002.00							
Z-1243–Equipment management system	171,265.33							
Z-1857–Communications engineer	12,996.42							
–Machinery maintenance and operation–districts	44,583,611.24							
–Intra-Ministry equipment rental credits	59,011,940.10cr							
Z-3092–Machinery	127.33							
						2,257,580.31	2,257,580.31	2,699,513.90cr
		180,029,529.05	48,009,987.88	10,766,005.37	25,329,985.83	2,257,580.31	266,393,088.44	257,787,191.09

SUMMARY OF CAPITAL AND MAINTENANCE EXPENDITURES FOR ROADS, BRIDGES, FERRIES, LEGAL SURVEYS, RIGHTS-OF-WAY, PAVING, ETC.

FISCAL YEAR 1985-86

(FOR DETAILS SEE FOLLOWING SCHEDULES BY ELECTORAL DISTRICTS)

Electoral District	Vote 69 Capital Maintenance $	Vote 69 Capital Construction $	Vote 69 Hydro Development $	Vote 074 Economic Renewal Coquihalla $	Vote 074 Economic Renewal Fraser River $	Total Capital $	Maintenance $	Total $
Alberni	804,378.95	161,489.70	-	-	-	965,868.65	2,472,492.07	3,438,360.72
Atlin	1,500,002.70	1,434,717.14	-	-	-	2,934,719.84	7,932,170.15	10,866,889.99
Boundary-Similkameen	2,766,461.84	2,051,789.59	-	-	-	4,818,251.43	6,769,178.73	11,587,430.16
Burnaby-Edmonds	215,558.57	1,594,855.28	-	-	541,778.28	2,352,192.13	2,825,592.44	5,177,784.57
Burnaby North	91,558.23	75,158.68	-	-	-	166,716.91	274,748.05	441,464.96
Burnaby-Willingdon	377,756.37	118,397.92	-	-	332,318.20	828,472.49	301,592.80	1,130,065.29
Cariboo	20,347,459.30	1,786,013.59	-	-	-	22,133,472.89	17,687,003.50	39,820,476.39
Central Fraser Valley	151,487.37	4,193,995.26	-	143,002.95	-	4,488,485.58	1,030,989.53	5,519,475.11
Chilliwack	672,784.22	23,195,408.41	-	465,079.63	-	24,333,272.26	1,896,206.29	26,229,478.55
Columbia River	2,149,843.22	301,784.85	-	-	-	2,451,628.07	4,371,205.27	6,822,833.34
Comox	984,275.44	369,583.31	-	-	-	1,353,858.75	6,823,510.94	8,177,369.69
Coquitlam-Moody	317,279.41	5,813,669.11	-	-	-	6,130,948.52	444,402.24	6,575,350.76
Cowichan-Malahat	775,042.73	104,216.63	-	-	-	879,259.36	3,754,199.15	4,633,458.51
Delta	376,366.97	861,631.30	-	-	67,374,227.53	68,612,225.80	1,181,034.99	69,793,260.79
Dewdney	738,771.96	1,783,343.66	-	-	-	2,522,115.62	2,494,452.72	5,016,568.34
Esquimalt-Port Renfrew	696,132.46	405,509.04	-	-	-	1,101,641.50	2,622,387.01	3,724,028.51
Kamloops	6,791,785.69	8,405,883.36	-	4,470,053.87	-	19,667,722.92	9,007,840.31	28,675,563.23
Kootenay	2,347,322.32	695,385.36	-	-	-	3,042,707.68	4,538,933.69	7,581,641.37
Langley	494,833.09	179,508.05	-	-	-	674,341.14	1,687,888.92	2,362,230.06
Mackenzie	736,065.84	166,286.08	-	-	-	902,351.92	4,919,633.32	5,821,985.24
Maillardville-Coquitlam	1,447,355.13	110,530.32	-	-	-	1,557,885.45	298,211.39	1,856,096.84
Nanaimo	274,637.83	795,873.38	-	-	-	1,070,511.21	5,097,174.44	6,167,685.65
Nelson-Creston	2,813,527.12	589,139.62	-	-	-	3,402,666.74	13,365,787.19	16,768,453.93
New Westminster	317,683.55	819,382.62	-		62,153,180.86	63,290,247.03	74,033.48	63,364,280.51
North Island	2,599,184.19	383,782.06	-	-	-	2,982,966.25	6,537,599.11	9,520,565.36
North Peace River	5,715,944.33	1,285,574.58	-	-	-	7,001,518.91	7,156,262.07	14,157,780.98
North Vancouver-Capilano	121,019.94	923,379.62	-	-	-	1,044,399.56	501,651.77	1,546,051.33
North Vancouver-Seymour	115,278.17	474,634.91	-	-	-	589,913.08	317,172.18	907,085.26
Oak Bay-Gordon Head	-	-	-	-	-	-	3,086.16	3,086.16

SUMMARY OF CAPITAL AND MAINTENANCE EXPENDITURES FOR ROADS, BRIDGES, FERRIES, LEGAL SURVEYS, RIGHTS-OF-WAY, PAVING, ETC.
FISCAL YEAR 1985-86
(FOR DETAILS SEE FOLLOWING SCHEDULES BY ELECTORAL DISTRICTS) (continued)

Electoral District	Vote 69 Capital Maintenance $	Vote 69 Capital Construction $	Vote 69 Hydro Development $	Vote 074 Economic Renewal Coquihalla $	Vote 074 Economic Renewal Fraser River $	Total Capital $	Maintenance $	Total $
Okanagan North	1,646,625.75	7,397,983.86	-	-	-	9,044,609.61	5,813,494.48	14,858,104.09
Okanagan South	6,761,264.19	5,510,218.00	-	819,106.65	-	13,090,588.84	3,205,911.05	16,296,499.89
Omineca	3,958,450.27	448,524.56	-		-	4,406,974.83	10,197,344.00	14,604,318.83
Prince George North	2,742,481.67	1,953,052.56	-	-	-	4,695,534.23	5,130,267.01	9,825,801.24
Prince George South	4,220,381.76	4,798,719.86	-	-	-	9,019,101.62	8,063,987.47	17,083,089.09
Prince Rupert	686,720.62	220,073.67	-	-	-	906,794.29	1,830,866.87	2,737,661.16
Richmond	278,217.88	473,856.05	-	-	20,423,310.19	21,175,384.12	1,390,972.91	22,566,357.03
Rossland-Trail	4,089,069.53	406,287.51	-	-	-	4,495,357.04	3,444,791.94	7,940,148.98
Saanich and the Islands	707,998.25	351,782.37	-	-	-	1,059,780.62	2,835,902.13	3,895,682.75
Shuswap-Revelstoke	4,152,552.72	1,790,860.95	637,572.28	-	-	6,580,985.95	10,838,813.31	17,419,799.26
Skeena	4,902,520.02	986,436.20	-	-	-	5,888,956.22	7,946,454.99	13,835,411.21
South Peace River	5,401,922.62	6,887,452.46	-	-	-	12,289,375.08	8,216,672.83	20,506,047.91
Surrey	4,654,062.99	7,995,162.12	-	-	64,843.26	12,714,068.37	2,069,572.82	14,783,641.19
Vancouver Centre	-	521,930.98	-	-	-	521,930.98	441,818.28	963,749.26
Vancouver East	-	1,927.96	-	-	-	1,927.96	180,942.65	182,870.61
Vancouver-Point Grey	-	31,908.36	-	-	-	31,908.36	248,892.03	280,800.39
Vancouver South	-	-	-	-	-	-	102,540.51	102,540.51
West Vancouver-Howe Sound	1,565,945.67	13,643,269.36	-	-	-	15,209,215.03	4,087,535.88	19,296,750.91
Yale-Lillooet	8,885,045.13	58,809,352.36	-	265,347,731.63	-	333,042,129.12	13,433,487.55	346,475,616.67
Planning and Engineering Services, Headquarters	5,661,608.09	31,204,513.55	-	7,130,839.83	995,078.56	44,992,040.03	60,526,379.82	105,518,419.85
	117,054,664.10	202,514,236.17	637,572.28	278,375,814.56	151,884,736.88	750,467,023.99	266,393,088.44	1,016,860,112.43

HEADQUARTERS

		$	$	$
HIGHWAY MAINTENANCE				
Roads generally:				
E-0067	Traffic Section (Headquarters operations)		709,480.75	
E-0068	Street lighting and traffic signals		1,729,305.21	
E-1773	Automatic railway signal maintenance		419,891.87	
F-0041	Leases and agreements		201,152.96	
F-0043	Taxes		8,463.38	
F-0044	Advertising and publicity		30,321.77	
F-0045	Legal expenses		2,316.31	
F-0048	Damage claims		367,978.98	
F-0049	Insurance re: trailer moves and household effects		35,749.00	
F-0051	Miscellaneous		43,321.42	
F-0052	Grants, engineering and dyking		124,988.94	
F-1802	Reimbursement from union - leave without pay		308,635.06 cr	
F-3629	Railway crossings maintenance, ice and snow removal		11,997.83	
H-0060	Highway signs operation (financing)		13,874.69 cr	
M-0053	Maintenance services generally (Headquarters operations)		311,449.99	
M-0055	Avalanche control		439,410.29	
M-0056	Scenic Highway Act		995.00	
M-2457	Photocopier rental and operation charges		124,279.40	
M-2589	Telecommunication charges-districts and regions		1,785,225.94	
M-2604	Road maintenance-employee benefits		16,010,890.00	
T-1194	Highways road maintenance -base occupancy charges		22,194,360.17	
T-1196	Highways road maintenance -tenant improvement charges		396,213.00	
Z-1237	Avalanche monitoring system		110,058.71	
Z-1240	Maintenance management system		217,654.19	
Z-1241	Shared equipment system		583,499.89	
	Centreline marking		5,421,002.51	
	Crushed gravel production		5,214,486.34	
	Dock Engineering and Operations Unit		164,544.02	
	Electrical maintenance generally		2,371,987.94	
	Intra-ministry material use credits		5,768,391.00cr	52,940,125.07
Bridges generally:				
B-0059	Bailey bridges		196,840.57	
B-2605	Bridge maintenance-employee benefits		1,006,912.00	1,203,752.57
Ferries generally:				
H-0061	Ferries generally		709,728.53	
H-2606	Ferry maintenance-employee benefits		3,013,137.00	
H-3061	Coast ferries subsidy		128,396.74	
T-1198	Highways ferries - base occupancy charges		257,168.31	
T-1199	Highway ferries-tenant improvement charges		8,000.00	
Z-1242	Ferry management system		8,491.29	4,124,921.87
Machinery generally:				
H-0063	Machinery (headquarters maintenance and operations generally		2,160,121.40	
H-0064	Autoplan insurance		1,073,410.40	
H-0065	Radio-mobile maintenance		1,278,218.32	
H-0066	Machinery replacement, motor vehicles		1,854,252.38	
H-1310	Machinery and equipment replacement		7,290,515.59	

HEADQUARTERS (continued)

		$	$	$
H-2607	Machinery maintenance and operations–employee benefits		2,845,002.00	
Z-1243	Equipment management system		171,265.33	
Z-1857	Communications engineer		12,996.42	
Z-3092	Machinery		127.33	
	Machinery maintenance and operations–districts		44,583,611.24	
	Intra-Ministry equipment rental credits		59,011,940.10 cr	2,257,580.31
HIGHWAY CAPITAL MAINTENANCE:				
Roads:				
Construction Branch:				
C-3240	Employee benefits			1,641,266.00
Bridges:				
Bridge Branch:				
B-3239	Employee benefits			132,988.00
Ferry Landings:				
Bridge Branch:				
B-3103	Employee benefits			66,494.00
Ferries:				
Marine Branch:				
H-2603	Employee benfits			7,599.00
Paving Branch:				
S-0084	Miscellaneous surface seals		1,131,203.14	
S-0086	Paving generally		2,357,889.67	
S-0087	Surveys and investigations		3,264.00	
T-1204	Highway paving branch–base occupancy charges		312,697.28	
T-1205	Highway paving branch–tenant improvement charges		8,207.00	3,813,261.09
HIGHWAY CAPITAL CONSTRUCTION:				
Roads:				
Construction Branch:				
C-0089	Construction generally		1,157,768.21 cr	
C-0090	Construction overhead		1,269,230.82	
T-1202	Base occupancy charges		445.56 cr	
Z-1251	Construction Branch system		26,700.60	137,717.65
Equipment Services Branch:				
H-0088	Scientific and technical equipment		1,044,882.34	
H-0112	Radio-mobile installations		449,992.05	
H-0115	New machinery and equipment		1,040,028.38	2,534,902.77
Roadside Development Branch:				
D-0004	Headquarters research,contingencies, wages and general expenses		90,804.56	
D-0006	Arterial Highway Beautification, Community Participation Program		100,547.12	191,351.68
Bridge Branch:				
B-0022	Bridge steel		2,062,653.51	
B-0281	Bridge design and engineering services		2,300,841.24	
B-0739	Bridge redecking, Trans Canada Highway and general highways		1,753,900.94	
Z-1252	Bridge design system		53,662.50	6,171,058.19
Planning and Engineering Services				
Geotechnical and Materials Engineering Branch:				
G-0107	Geotechnical and materials engineering		9,302,437.81	
G-2336	Rockwork and minor betterments		1,566,756.45	

HEADQUARTERS (continued)

		$	$	$
Planning and Engineering Services				
Geotechnical and Materials Engineering Branch:				
G-2652	Vehicle weights and dimensions test sections		32,729.59	
G-2687	Chargeable projects - other ministries or agencies		100,709.86	
T-1206	Base occupancy charges		751,201.80	
T-1207	Tenant improvement charges		1,637.00	
Z-1246	Geotechnical system		122,675.55	11,878,148.06
Highway Design and Surveys Branch:				
L-0101	Surveys generally			
	-Runaway lanes for steep grades (study)	30.59		
	-Staff training expenses	14,078.42		
	-Surveys generally	2,347,906.25	2,362,015.26	
L-0111	Archaeological explorations		132,942.15	
Z-1245	Design and surveys system		407,351.74	2,902,309.15
Planning Branch:				
O-0062	Headquarters operations		1,786,950.66	
O-3351	British Columbia Pavillion		1,743,000.00	
Z-1239	Planning system		250,746.02	3,780,696.68
Highway Safety Branch:				
C-0207	Highway safety measures, kilometer reference marker		8,404.50	
C-0209	Highway safety measures, general expenses		162,044.64	
Z-1229	Safety Engineering system		85,863.79	256,312.93
Information Systems Branch:				
Z-1244	Evaluation of data processing			1,243,646.14
Land Surveys Branch:				
L-0099	Legal surveys General expenses			76,787.30
Traffic Branch:				
E-0003	Signs, signals and traffic control			1,584,968.13
Property Services Branch:				
P-2800	Rights-of-way and Property purchases -Headquarters Branch salaries, travel etc., excluding right-of-way settlements			305,116.73
Municipal Programs Branch:				
Amalgamation Grants				
0-1037	Ministry signing of various secondary highway capital construction projects		1,280.00	
O-1835	Municipal programs operations, salaries, travel, etc.,excluding secondary highway projects		140,218.14	141,498.14

ECONOMIC RENEWAL-SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS

Coquihalla Highway Construction Roads:			
Construction Branch:			
C-3104	Coquihalla Highway,(road construction)employee benefits	3,039,735.00	
C-3241	Coquihalla Highway,(road construction) telecommunications charges	65,663.27	
H-3367	Coquihalla Highway,Hope-Merritt section,new machinery equipment	2,766,165.08	
H-3573	Coquihalla Highway,communication equipment	12,862.60	5,884,425.95

HEADQUARTERS (continued)

		$	$	$
Bridges:				
Bridge Branch:				
B-3243	Coquihalla Highway,(bridge construction) telecommunications charge		39,257.62	
B-3368	Coquihalla Highway,(bridge construction) employee benefits		106,392.00	145,649.62
Paving Branch:				
S-3244	Coquihalla Highway,(paving) telecommunications charges		7,137.73	
S-3369	Coquihalla Highway,(paving) employee benefits		170,226.00	177,363.73
Planning and Engineering Services				
Traffic Branch:				
E-3372	Coquihalla Highway,(traffic engineering) employee benefits			9,495.00
Geotechnical and Materials Testing Branch:				
G-3371	Coquihalla Highway,(geotechnical and materials engineering) employee benefits			45,597.00
Highway Design and Surveys Branch:				
L-3370	Coquihalla Highway,(highway design and surveys)employee benefits			104,491.00
Planning Branch:				
O-3411	Coquihalla Highway,film production		345,320.42	
O-3553	Coquihalla Highway,(planning and engineering services) planning branch		418,497.11	763,817.53
Fraser River Crossing (Annacis Island)				
Roads:				
Construction Branch:				
C-3105	Fraser River Crossing (Annacis Island)(road construction), employee benefits		655,443.00	
C-3242	Fraser River Crossing (Annacis Island)(road construction), telecommunications charges		23,792.47	679,235.47
Bridges:				
Bridge Branch:				
B-3373	Fraser River Crossing (Annacis Island) (bridge construction),employee benefits			85,492.00
Paving Branch:				
S-3374	Fraser River Crossing (Annacis Island) (paving), employee benefits			31,917.00
Planning and Engineering Services				
Traffic Branch:				
E-3377	Fraser River Crossing (Annacis Island) (traffic engineering) employee benefits			28,498.00
Geotechnical and Materials Engineering Branch:				
G-3376	Fraser River Crossing (Annacis Island) (geotechnical and materials engineering) employee benefits			18,998.00

HEADQUARTERS (continued)

	$	$	$
Highway Design and Surveys Branch:			
L-3375 Fraser River Crossing (Annacis Island)(highway design and surveys), employee benefits			91,192.00
Planning Branch:			
O-1188 Fraser River Crossing (Annacis Island)(planning and engineering services), planning branch			59,746.09
Total, Headquarters			$105,518,419.85

ALBERNI ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			1,838,666.30
Snow removal			394,263.32
Bridge maintenance			109,661.89
Ferry maintenance and operations- Barkley Sound Ferry Subsidy			129,900.56
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Construction Branch:			
C-3989 Port Alberni to Cumberland, Forest Road (see also Comox)			5,233.25
Day Labour:			
C-0122 Minor betterments,miscellaneous		3,668.00	
C-0154 Minor betterments,miscellaneous		133,023.29	
C-0542 Beaver Creek Road, reconstruct and pave		138,775.50	
C-3217 John Street,stabilize creek banks		73,692.80	
C-3497 Various roads(Faye Road,Grafton Road, Rupert Road, Nuthatch Road,Bamfield Road),paving and miscellaneous improvements		81,006.18	
C-3543 Bamfield West Roads,clearing and road construction		29,860.15	460,025.92
Bridges:			
Day Labour			
B-3278 Kerr Creek Bridge,box beam reconstruction		105,086.17	
B-3279 TR-17 Bridge,box beam reconstruction		94,534.95	
B-3403 Taylor River Bridge,remove and replace planks and cross ties		49,306.06	
B-3405 Sproat Falls Bridge,remove and replace planks and cross ties		40,192.60	
B-3683 Sarita River Bridge,Alberni to Tofino Road		50,000.00	339,119.78
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Day Labour:			
N-0397 Guardrail installation			26,175.70
Planning and Engineering Services			
Lands Survey Branch:			
L-0099 Legal Surveys			
-Through part of Blk.38,Plan 942, Section 19,Tp.1,Barclay District - Brady's Beach Trail			1,000.00
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Minor road surveys		5,049.55	
-Qualicum Bypass (4 lane)		95.08	
-Various along Alberni-Tofino Highway (Hwy.4), site plans for bridges, Canoe Creek, Maureen, Forster, and Mercer		45,911.96	51,056.59
Property Services Branch:			
P-2806 Rights-of-way and property purchases			
-Gravel Pits etc.		2,856.41	
-Hollborne Road		7,600.00	
-Nanaimo Bypass at North Island Hwy.19		57,800.00	
-South Bamfield Road		1.00	68,257.41

ALBERNI ELECTORAL DISTRICT (continued)

	$	$	$
Municipal Programs Branch:			
Amalgamation Grants			
O-2951 District of Tofino, road maintenance grant			15,000.00
Total, Alberni Electoral District			$3,438,360.72

ATLIN ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance		5,231,313.37	
M-3257Stewart and Revelstoke,remote weather station installations		121,223.10	5,352,536.47
Snow removal			2,332,933.38
Bridge maintenance			246,700.30
HIGHWAY CAPITAL MAINTENANCE			
Roads			
Day Labour:			
C-0147 Minor betterments,miscellaneous		114,372.76	
C-0148 Minor betterments,miscellaneous		1,606.34	
C-0149 Minor betterments,miscellaneous		285,995.48	
C-3201 Hwy.37,Snowbound to Devil Creek, graded aggregate seal preparation		151,011.12	
C-3202 Telegraph Creek Road, 10 Mile Corner, widening		74,737.98	
C-3485 Cassiar Access Road, Quartz Rock Creek to Cassiar, reconstruct		432,928.80	
C-3614 Hwy.37 at Eddontenajon Lake, slide repair		19,648.00	1,080,300.48
Bridges:			
Day Labour:			
B-3313 Hanna, Ritchie and Deltaic Bridges, remove old structures and install new concrete deck on Deltaic Bridge		157,277.49	
B-3314 Taft Creek Bridge,piers and abutments		20,477.40	
B-3319 Alger, Snowbank, Skowhill, Willow and Todagin Bridge, replace damaged bailey panels		105,782.77	
B-3323 Stikine River Bridge, abutment wall repairs		22,175.91	
B-3520 Toya River Bridge, strengthen and overdeck		113,988.65	419,702.22
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-3353 Hwy.37,Cousins Creek, reconstruct and install multiplate			469,601.81
Day Labour:			
N-0394 Guardrail installation			9,363.75
Bridges:			
Bridge Branch:			
B-3380 Thomas Creek Bridge,Stewart-Cassiar Highway 37		296,256.00	
B-3381 Beaverpond Creek Bridge,Stewart-Cassiar Highway 37		313,254.79	
B-3382 Spruce Creek Bridge,Stewart-Cassiar Highway 37		214,317.34	823,828.13

ATLIN ELECTORAL DISTRICT (continued)

	$	$	$
Planning and Engineering Services			
Lands Survey Branch:			
L-0099 Legal Surveys			
-4 km north of Dease River Bridge to Lot 142, Cassiar District 31.0 km			19,982.51
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Aiyansh Junction, Greenville		26,576.62	
-Stewart Cassiar Highway,site plans for miscellaneous bridges		40,448.65	
-Terrace to Nass River Road, Cedar River to Tseax Junction		39,894.24	106,919.51
Property Services Branch:			
P-2805 Rights-of-way and property purchases			
-Stewart-Cassiar Hwy.,Sawmill Point-Pinetree Lake			5,021.43
Total, Atlin Electoral District			$10,866,889.99

BOUNDARY-SIMILKAMEEN ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance		4,419,281.67	
Snow removal		2,106,170.98	
Bridge maintenance		244,726.08	
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0018 North Fork Road, reconstruction		50,000.00	
C-0126 Minor betterments			
-Highway 97, pave	57,286.00		
-Miscellaneous	18,084.69		
-North Naramata Road 251, reconstruct	91,410.00		
-Oliver-Camp McKinney Road 75, construction	73,285.00	240,065.69	
C-0130 Minor betterments,miscellaneous		7,700.49	
C-0133 Minor betterments,miscellaneous		210,696.92	
C-0473 Keremeos area roads,reconstruct and pave		55,306.00	
C-0821 Penticton area roads,reconstruct and pave		324,990.36	
C-1888 Christian Valley Road,paving and upgrading		74,867.28	
C-2892 Camp McKinney Road,Oliver,realign and gravel		65,912.90	
C-3128 Oliver-Osoyoos area roads,reconstruct and pave		148,997.10	
C-3136 Hwy.97 at Prairie Valley,Summerland, intersection improvements		47,639.18	
C-3140 Hwy.97, Summerland Hill, overlay		49,933.36	
C-3145 Baldy Mountain Road, reconstruct and gravel		74,997.41	
C-3146 Rock Creek and Greenwood miscellaneous roads, graded sealcoat		49,889.00	
C-3147 Hwy.3,Kettle Valley Road,construct left turn slot		24,961.83	
C-3148 Hwy.33,Beaverdell to McCulloch Junction, shoulder widening		49,790.79	
C-3458 Fish Lake Road, Summerland, sealcoat		36,242.25	

BOUNDARY-SIMILKAMEEN ELECTORAL DISTRICT (continued)

	$	$	$
C-3460 McLean Creek Road, upgrade and pave		100,000.00	
C-3461 North Naramata Road, upgrade and pave		87,114.31	
C-3462 Osoyoos area, local improvements and pave		23,600.90	
C-3481 Hwy.3, Grand Forks, hot mix recap		99,713.73	
C-3613 Apex Mountain Road, widen, realign and prepare for paving		461,464.46	
W-0348 Fencing Schedule 2, Highways		17,800.95	
W-0352 Fencing Schedule 2, Highways		78,000.00	2,379,684.91
Bridges:			
Day Labour:			
B-2293 Ashnola Bridge 1, pier reconstruction		57,294.08	
B-3300 Blythe, Rhone and Beaverdell Bridges, remove and replace with surplus railway structures		179,023.07	
B-3310 Black Sage Bridge, reconstruction		16,309.86	
B-3584 Kettle Valley Bridge, remove trusses, install bailey and construct approaches		75,000.00	327,627.01
Paving Branch:			
S-0086 Paving generally		5,192.33	
S-0087 Surveys and investigations		2,102.44	
S-3812 Highway 3A from Keremeos to Yellow Lake and sections of Highway 3 from Keremeos to Nighthawk Junction(32.25 km)		51,855.15	59,149.92
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-1744 Hwy.97, Penticton Channel Parkway, Stage 2, paving, curb and gutter and storm drainage		2,110.14	
C-3246 Hwy.97, Penticton to Trout Creek, grading		550,274.86	552,385.00
Day Labour:			
D-1553 Roadside development projects-general		14,717.09	
N-0377 Guardrail installation		38,645.73	
N-0383 Guardrail installation		30,000.00	83,362.82
Bridges:			
Bridge Branch:			
B-2395 Penticton Parkway Underpass, Hwy.97		6,690.97	
B-3555 Atwood Bridge, Atwood Road		730,709.46	
B-3564 Nicholson Bridge, Kettle Valley Road, investigation into cause of collapse		3,199.16	740,599.59
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0204 School route improvements, West Bench Elementary School, 8' of hard, flat shoulder and paint edgelines			6,354.00
Traffic Branch:			
E-2870 Greenwood Arterial(Cooper St.)Deadwood St. to Louisa St., Greenwood, lighting installation		2,819.97	
E-3757 Tourist Region boundary and information signs		2,042.28	
E-3758 Expo 86, special community event information signing, various routes		3,222.33	8,084.58
Geotechnical and Materials Engineering Branch:			
G-3398 Hwy.97, Osoyoos to Sicamous, 4 laning Geotechnical Investigations			26,580.43

BOUNDARY-SIMILKAMEEN ELECTORAL DISTRICT (continued)

	$	$	$
Lands Survey Branch:			
L-0099 Legal Surveys			
-Blackmine Road through D.L.987,YDYD, 0.8 km+-		2,300.00	
-Camp McKinney Road 75 in Osoyoos Indian Reserve 1		9,832.00	
-Christian Valley Road through part of D.L.1073S,S.D.Y.D. 0.8 km+-		1,725.00	
-Explanatory plan of closed road between Lot 10,Block 73 and Lot 1,Block 74,Plan 519,D.L.210,S.D.Y.D.		350.00	
-Granby Road 32-from S.Bdy.,Plan B857, D.L.153S to W.Bdy.,S.L.5,D.L.270,S.D.Y.D.		8,496.00	
-Matheson and Parson Roads within parts of District Lot 461,Sub Lots 27 and 29 of District Lot 2710, S.D.Y.D. 2.0 km+-		3,543.92	
-Plan of S/D consolidating Plan H18286 (closed road) within part of D.L.498 SDYD		960.00	
-Replace integrated survey control monuments-Penticton Channel Parkway-Okanagan Highway		2,318.55	
-Rock Creek-Bridesville Road 65 1. In Blk.A,Sec.19,Tp.68,SDYD and in part D.L.352,Plan E10692,SDYD 2. In Plan D.L.680,N.W.1/4,Sec.13 and N1/2,SW1/4,Sec.13,Tp.66,SDYD		1,790.00	
-Southern Trans Provincial Highway 1. In part of district Lot 637, SDYD 2. In Lot 29, Plan 2898, D.L.364,SDYD		2,125.00	33,440.47
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Atwood Bridge site plan, Grand Forks		106.00	
-Hwy.3,Short St. to Providence St. in Greenwood		14,948.73	
-Hwy.20, Bella Coola Valley		398.00	
-Keremeos Creek Road,Twin Lake Golf Club		10,037.68	
-Minor road surveys		32,918.18	
-Penticton Channel Parkway		2,417.00	
-Penticton to Trout Creek		160,422.24	
-Southern Trans Provincial Highway, Hedley-Keremeos		133.69	
-Summerland to Deep Creek		19,165.84	
-Trout Creek Hill to Summerland		50,749.49	291,296.85
Property Services Branch:			
P-2802 Rights-of-way and property purchases			
-Green Mountain Road 78, Shatford Creek Bridge	2,500.00		
-Highway 97, binwall	1,000.00		
-Hwy.97,MacAlpine Bridge-Vaseaux Lake	1,864.00		
-Kaleden Junction intersection and weigh scale site	42,000.00		
-Keremeos land fill road 57-12	1.00		
-Okanagan Highway 97	37,000.00		
-Okanagan Hwy.97,Penticton-Trout Creek	8,500.00		
-Penticton Channel Parkway	6,937.67		
-Peterson Road 75	161.70		
-Southern Trans Provincial Highway 3,Copper Mountain	1,641.72		
-Southern Trans Provincial Highway 3,Hedley-Keremeos	16,000.00		
-Spruce Avenue 53-7	3,970.51		
-Twin Lakes Junction, Kaleden Junction	15,000.00	136,576.60	

BOUNDARY-SIMILKAMEEN ELECTORAL DISTRICT (continued)

	$	$	$
P-2803 Rights-of-way and property purchases			
-Blythe-Rhone Road 118	243.00		
-Gilpin Road 28, Atwood Bridge	3,032.00		
-Highway 33	537.00		
-Kelly River Road 229	3,153.50		
-Mt. Baldy Road 135	7,727.00		
-North Fork Road 30	1,911.00		
-Rock Creek-Bridesville Road 65	2,250.00		
-Rock Creek-Kelowna Highway	1,288.00	20,141.50	156,718.10
Municipal Programs Branch:			
Secondary Highway Construction and Improvements:			
V-1178 135B, Naramata Rd.,City of Penticton		150,000.00	
V-3775 212B, 7th St.and McKinney Rd.,Village of Oliver		2,967.75	152,967.75
Total, Boundary-Similkameen Electoral District			11,587,430.16

BURNABY-EDMONDS ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			2,760,752.37
Snow removal			41,672.73
Bridge maintenance			23,167.34
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0119 Minor betterments,miscellaneous		27,384.52	
C-0122 Minor betterments,miscellaneous		7,072.58	34,457.10
Paving Branch:			
S-0084 Miscellaneous surface seals, Marine Way,Greenall-Queensborough Bridge		73,366.67	
S-3412 Marine Way, Greenall to Byrne(2.3 km), resurfacing		107,734.80	181,101.47
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Roadside Development Branch:			
D-1552 Roadside development projects-general			51,149.99
Planning and Engineering Services:			
Traffic Branch:			
E-2461 Rte.7 at Sperling Ave.,Burnaby, traffic signal revision and lighting installation		6,054.02	
E-3018 Rte.1A/99A(Kingsway) at Edmonds St., Burnaby, signal and lighting replacement		16,385.88	
E-3066 Rte.1A/99A(Kingsway) at 1. Gilley Avenue 2. Sussex Avenue Burnaby,signal and lighting replacement		18,740.28	41,180.18
Property Services Branch:			
P-2801 Rights-of-way and property purchases, Stormont-McBride			1,370,000.00
Municipal Programs Branch:			
Secondary Highway Construction and Improvements:			
V-0741 14B, North Rd.(w.half)District of Burnaby			132,525.11

BURNABY-EDMONDS ELECTORAL DISTRICT (continued)

	$	$	$
ECONOMIC RENEWAL-SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS			
Fraser River Crossing (Annacis Island)			
Roads:			
Construction Branch:			
C-1121 Fraser River Crossing(Annacis Island), Marine Way,Byrne Road to north end of Queensborough Bridge,grade construction		247,008.19	
C-2681 Fraser River Crossing(Annacis Island), Marine Way,Greenall-Queensborough Bridge, gravelling and paving		287,805.64	534,813.83
Planning and Engineering Services:			
Highway Design and Surveys Branch:			
L-0558 Fraser River Crossing(Annacis Island), Byrne to Queensborough Bridge			6,964.45
Total, Burnaby-Edmonds Electoral District			$5,177,784.57

BURNABY-NORTH ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			253,055.52
Snow removal			20,801.11
Bridge maintenance			891.42
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0122 Minor betterments,miscellaneous		6,558.23	
C-3449 Hwy.7,Burnaby,install island for left turn slot at Bainbridge and install median curbing from Bainbridge to Lake City Way to restrict left turns		85,000.00	91,558.23
HIGHWAY CAPITAL CONSTRUCTION			
Bridges:			
Bridge Branch:			
B-3554 Second Narrows Bridge,Taylor Way to Cassiar St.,removal,renovation and replacement of north and south wing anchor			1,828.54
Planning and Engineering Services:			
Traffic Branch:			
E-2461 Rte.7 at Sperling Ave.,Burnaby,traffic signal revision and lighting installation			6,054.01
Highway Design and Survey Branch:			
L-0101 Surveys generally			
-Barnet Highway from Sperling Avenue to Clarke Road		66,255.82	
-Simon Fraser University access roads		1,020.31	67,276.13
Total, Burnaby-North Electoral District			$441,464.96

BURNABY-WILLINGDON ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			265,404.70

BURNABY-WILLINGDON ELECTORAL DISTRICT (continued)

	$	$	$
Snow removal			21,647.26
Bridge maintenance			14,540.84
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0119 Minor betterments,miscellaneous		48,297.99	
C-0122 Minor betterments,miscellaneous		9,965.92	
W-0793Fencing Schedule 2, Highways		56,000.00	114,263.91
Paving Branch:			
S-0084 Miscellaneous surface seals, Marine Way,Greenall-Queensborough Bridge		24,455.55	
S-0086 Paving generally		139,558.75	
S-0087 Surveys and investigations		99,478.16	263,492.46
HIGHWAY CAPITAL CONSTRUCTION			
Planning and Engineering Services:			
Traffic Branch:			
E-3018 Rte.1A/99A(Kingsway) at Edmonds St., Burnaby,signal and lighting replacement		16,385.87	
E-3066 Rte.1A/99A(Kingsway) at 1. Gilley Avenue 2. Sussex Avenue Burnaby,signal and lighting replacement		18,740.27	
E-3260 Rte.1A/99A(Kingsway) at Willingdon Ave., Burnaby,signal and lighting replacement		31,530.32	
E-3404 Rte.1A/(Kingsway) at Imperial St., Burnaby,signal and lighting replacement		24,763.04	
E-3406 Rte.1A/(Kingsway) at Royal Oak Ave., Burnaby,signal and lighting replacement		26,978.42	118,397.92
ECONOMIC RENEWAL-SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS			
Fraser River Crossing (Annacis Island)			
Roads:			
Construction Branch:			
C-2681 Fraser River Crossing(Annacis Island), Marine Way,Greenall-Queensborough Bridge, gravelling and paving			95,935.21
Bridges:			
Bridge Branch:			
B-3521 Fraser River Crossing(Annacis Island), Patterson Avenue pedestrian overpass			236,382.99
Total, Burnaby-Willingdon Electoral District			$1,130,065.29

CARIBOO ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			11,431,271.50
Snow removal			5,393,850.45
Bridge maintenance			696,326.95
Ferry maintenance and operations-			
Big Bar Ferry		70,263.10	
Marguerite Ferry		95,291.50	165,554.60

CARIBOO ELECTORAL DISTRICT (continued)

	$	$	$
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour			
C-0129 Minor betterments,miscellaneous		208,894.08	
C-0141 Minor betterments,			
-Garner Marsh Connector	56,599.00		
-Miscellaneous	221,432.19		
-South Cottonwood Bridge approach	62,773.00	340,804.19	
C-0146 Minor betterments,			
-Alexis Creek miscellaneous gravelling	76,116.11		
-Miscellaneous	211,006.99		
-Williams Lake miscellaneous gravelling	101,583.83	388,706.93	
C-2008 Hwy.97 south, Dragon Hill,widening and improvements at Nelson/Nadeau intersection		372,357.84	
C-2011 Nazko Road, gravelling		1,094,006.40	
C-2020 Wells Townsite,ditching and drainage improvements		59,869.80	
C-2070 Chimney Lake Rd.,relocate,widen and improve		149,975.61	
C-2075 Spokin Lake Road, reconstruct		100,450.70	
C-2060 Williams Lake miscellaneous farm and school bus roads, reconstruction		207,003.92	
C-2089 Haggens Point Road,widen,upgrade and gravel		65,633.83	
C-2224 Timothy Lake Road,reconstruct and gravel		59,867.30	
C-2225 Jesmond Road,reconstruct and gravel		103,390.75	
C-2226 108 Mile Ranch subdivision roads, paving, regravelling and ditching		318,425.81	
C-2321 Tatton Station Road at Helena Lake Road junction,widen,gravel and ditch		46,764.32	
C-2403 Tibbles Road, reconstruction		237,997.89	
C-2517 Hwy.20,Bull Canyon, reconstruction		700,549.03	
C-3130 Mercer subdivision area roads, reconstruct, ditch and gravel		38,207.63	
C-3131 Empire Valley and Meadow Lake Roads, widen and gravel		484,820.36	
C-3132 Hwy.97,83 Mile House to 94 Mile House, reconstruction		2,995,263.75	
C-3164 Likely Road,Big Lake to Beaver Valley, reconstruction		692,244.85	
C-3165 Landscape and reclamation of depleted gravel pits		19,053.27	
C-3169 Nazko Road through Indian Reserve, reconstruction and realignment		196,126.93	
C-3170 Quesnel Blackwater Rd. from Katzel Road to Pinnacles Rd.,4 lane reconstruction		1,198,045.46	
C-3171 Paradise Rd.,intersection improvements and reconstruction		150,000.00	
C-3172 Patchett Road, reconstruction		49,891.87	
C-3173 Bartkow Road,intersection improvements and base strengthening		49,397.94	
C-3174 Bowron Lake Road, Wells, base strengthen and ditch		99,852.85	
C-3175 Hill Road, reconstruction		93,413.57	
C-3176 Landscape and reclamation of depleted gravel pits		17,059.05	
C-3387 Quesnel Canyon Road, reconstruction		77,779.29	
C-3498 Ten Mile Lake Hill, reconstruct		124,540.61	
C-3506 Likely Road, reconstruct,realign and gravel		103,519.60	
C-3508 Keithly Road, realign		48,655.47	
C-3509 Chilcotin-Bella Coola Hwy.20,Anahim Lake west, new alignment		742,652.14	

CARIBOO ELECTORAL DISTRICT (continued)

		$	$	$
C-3510	Mountain House Road,reconstruct and gravel		48,203.34	
C-3511	Blackwater Road, golf course to garbage dump slide, reconstruct		196,886.57	
C-4176	Hwy.24,Bridge Lake to Little Fort, reconstruction		137,777.58	
W-0351	Fencing Schedule 2 Highways		91,344.01	
W-0357	Fencing Schedule 2 Highways		156,800.00	
W-0362	Fencing Schedule 2 Highways		104,472.21	12,370,708.75
Bridges:				
Bridge Branch:				
B-2297	Shertinlib Bridge,realign approaches and rebuild bridge		92,604.14	
B-3271	Coulthard Bridge, reconstruction		69,809.56	
B-3272	Hamilton Bridge, reconstruction		69,983.62	
B-3273	Batnuni Bridge, major deck repair		9,999.35	
B-3333	Knife Creek Bridge,reconstruction		26,922.11	
B-3334	Beaver Lake Bridge,reconstruction		134,786.79	404,105.57
Paving Branch:				
S-0084	Miscellaneous surface seals,			
	-Hwy.97 from 150 Mile House to Hwy.20 junction at Williams Lake to Mountain House Road	118,676.19		
	-Hwy.97 from 141 Mile House to 150 Mile House	497,337.03		
	-Surface rehabilitation by heater scarifier	321,670.18	937,683.40	
S-0086	Paving generally		726.47	
S-0087	Surveys and investigations		87,040.49	
S-2820	Hwy.97,Barkerville Road Junction-Plett Road (45.9 km)		3,413,546.03	
S-3230	Williams Lake District miscellaneous roads (13.8 km)		1,443,272.94	
S-3326	Likely Road (45.2 km)(from 37.2 km to 81.0 km north of the junction with Hwy.97 at 150 Mile House, plus intersecting side roads)		36,000.34	
S-3418	100 Mile House,miscellaneous roads, reprofiling/resurfacing,paving and patch mix in stockpile		91,322.92	
S-3421	Hwy.97,Lac La Hache Campsite to Hinsche Road and miscellaneous roads (24.10 km)		147,341.83	
S-3423	Nazko road, Tibbles to Krestenuk and Tibbles Road 64.2 km		153,205.57	
S-3425	Blackwater Road, Bouchie Lake Hill, revision and frontage roads 6.7 km		850,441.60	
S-3541	Cariboo Hwy.97, 83 Mile House area, paving 2.84 km		411,634.85	
S-3748	Cariboo Hwy.97, Mountain House Road-Marguerite section,asphalt surfacing 43.4 km		209.67	
S-3749	Yellowhead Hwy.16, east, Dome Creek to West Twin Bridge,asphalt surfacing 53.9 km		218.87	7,572,644.98
HIGHWAY CAPITAL CONSTRUCTION				
Roads:				
Construction Branch:				
C-1710	Cariboo Hwy.97, North Star Interchange, Quesnel, construction			26,237.77
Roadside Development Branch:				
D-3622	Hwy.97 at North Star Road,Quesnel, landscape development			22,480.00

CARIBOO ELECTORAL DISTRICT (continued)

	$	$	$
Day Labour:			
D-3383 North Star Interchange, topsoil and hydroseeding		50,000.00	
N-0380 Guardrail installation		13,558.00	
N-0430 Guardrail installation		49,901.35	
N-0435 Guardrail installation		16,198.46	129,657.81
Planning and Engineering Services			
Highway Safety Engineering Branch:			
C-0202 Roadside hazard elimination,			
-Hwy.24 through Lone Butte,move 7 poles	4,000.00		
-Hwy.24, 2.98 km relocate guardrail	2,659.00		
-Hwy.24, 5.5 km of guardrail to relocate	5,136.00	11,795.00	
C-0204 School route improvements,			
-Hodgson and Lyne Road, widen shoulders for 1.45 km to Chilcotin Elementary School	5,000.00		
-Renner Road,Hazel Street and Juniper St.,widen shoulders for 2.7 km for pedestrian traffic to Kwalleen Elementary School	9,500.00	14,500.00	26,295.00
Traffic Branch:			
E-3068 Rte.97 at Fox Mountain Road, Williams Lake,lighting installation		5,935.40	
E-3580 Rte.97-Ross St.to Rome Ave., Quesnel,conduit,junction box and pedestal installation		27,823.20	
E-3758 Expo 86 Special Community Event information signing, various routes		4,296.44	38,055.04
Geotechnical and Materials Engineering Branch:			
G-2946 Cariboo Highway 97,Mile 83-100 relocation			46,538.09
Lands Survey Branch:			
L-0099 Legal Surveys,			
-Chilcotin-Bella Coola Highway 20-W.Bdy.D.L.9191 to E.Bdy. D.L.8341,Cariboo District 8.9 km+-		15,594.00	
-Loon Lake Road 128-E.Bdy., N.E.1/4,Sec.30,Tp.23,R.25, W6M,KDYD to E.Bdy.,D.L.4386, L.D. 5.5 km+-		16,003.90	
-Loon Lake Road 128 in part of Section 29,Tp.23,R.25,W6M,KDYD and Blk.4,Plan 1804,D.L.41,L.D.		1,000.00	
-Nazko road 59,E.Bdy.,D.L.2141 to W.Bdy.of Nazko I.R.5 (12 km+-)		14,417.00	
-93 Mile-Littlefort Hwy.24,W. Bdy.,D.L.1446,L.D.to D.L.1907, K.D.Y.D. 16.0 km+-		8,985.00	
-1. Chilcotin Bella Coola Hwy.20 (A) W.Bdy.,L.11724 to Stum Lake Road (B) W.Bdy., L11749 to S.Bdy.,L11752 2. Road widening within D.L.'s 234 and 9184(Alexis Creek)all in Cariboo District 5.0 km+-		10,543.00	

CARIBOO ELECTORAL DISTRICT (continued)

	$	$	$
-Part of District Lots 7252, 3970 and 3969(Johnson Road 15 and Dragon Lake Road 45)3.3 km+-		1,373.98	
-Through part of Lot 9,Group 1 Lillooet District 1.2 km+-		474.50	68,391.38
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Anahim Lake-Tusulko River		69,633.58	
-Cariboo Highway 97, 92 Mile House to 83 Mile House		14,686.91	
-Cariboo Highway 97, Cache Creek-Loon Lake Road		2,721.41	
-Clinton, underpass and approaches		38,806.70	
-Comer to Weldwood, access on Mackenzie Avenue, Glendale Drive, curb and gutter		8,590.85	
-Deep Creek revision		43.28	
-Fraser River Crossing at Churn Creek		83,146.23	
-Hwy.20, Redstone to Tatla Lake		126,935.56	
-Hwy.97, 2 Mile Flats		2,261.53	
-Little Fort-Lac Des Roches (see also Kamloops)		33,750.99	
-Minor road surveys		18,842.04	
-North Star interchange,Quesnel		13,518.65	
-Quesnel bypass		4,736.34	
-S.Arch-Fox Mountain Road, Williams Lake,Hwy.97		1,167.39	418,841.46
Property Services Branch:			
P-2801 Rights-of-way and property purchases			
-Gravel Pits etc.		1.00	
P-2802 Rights-of-way and property purchases			
-Alignment Easzee Drive 1008	2,555.20		
-Bell Road 304	11,000.00		
-Canim Lake South Road 729	385.00		
-Cariboo Highway 97	600.00		
-Cariboo Highway 97, Cache Creek-100 Mile House, Bullock Lake Road-D.L.681	189,972.69		
-Clinton-Pavilion Highway 11	4,100.60		
-Gang Ranch Reservoir Road 85	1.00		
-Jesmond Road 126	7,530.50		
-Johnstone Road 438	49,378.70		
-Mahood lake Road 319	3,115.00		
-North Bonaparte road 386	2,958.80		
-Shertenlib Road 601	1,312.60	272,910.09	
P-2804 Rights-of-way and property purchases			
-Little Horsefly Lake Road 631	2,565.61		
-Alex Road 149	1,115.10		
-Armstrong Road	167.72		
-Barkerville Hwy.26, Mitchell Bridge elimination	262.55		
-Bartkow Road 57	11,066.80		
-Bigham Road 954	1.00		
-Blackwater Road 58	406,196.88		
-Camp Creek Road 330	10,626.00		
-Cariboo Hwy., Rowat Road to Goyette Road	25,609.22		
-Cariboo Hwy.97	2,650.00		
-Cariboo Hwy.97, North Star Road, Maple Drive	12,640.00		
-Cariboo Hwy.97, North Star Road, interchange	10,110.00		

CARIBOO ELECTORAL DISTRICT (continued)

	$	$	$
-Chilcotin-Bella Coola Highway 20	21,349.47		
-Datoff Road 72	960.75		
-Dawson Street	1,100.00		
-Desous Road 1122	8,492.84		
-Dragon Lake Road 45	4,210.50		
-Fox Mountain Road 381	6,099.00		
-Fraser Road 32	6,371.70		
-Gravel Pits etc.	7,600.00		
-Hwy.20,Bull Canyon to Red Stone west	667.76		
-Horsefly Lake Road 421	15,128.39		
-Horrocks Road 883	448.00		
-Katzel Road 56	263.25		
-Little Lake-Quesnel River Road 639	3,480.00		
-Narcosli Pit Road 788	2,100.00		
-Nazko Road 59	88,165.70		
-Paradise Road	4,891.50		
-Patchett Road 53	5,716.80		
-Punt-Ches-A-Kut Lake Road 388	10,000.00		
-Quesnel Canyon Road 44	90.25		
-Tatlayoko Road	5,621.27		
-Ten Mile Lake Road 165	350.00		
-Upper Horsefly Road 425	14,150.93	690,268.99	
P-2806 Rights-of-way and property purchases -Franham Road 742		3,500.00	966,680.08
Municipal Programs Branch:			
Amalgamation Grants			
O-1693 City of Williams Lake,Glendale restructuring grant			42,836.96
Total, Cariboo Electoral district			$39,820,476.39

CENTRAL FRASER VALLEY ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			666,401.54
Snow removal			325,406.66
Bridge maintenance			39,181.33
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0130 Minor betterments,miscellaneous		18,556.69	
C-3247 Whatcom Tourist Bureau site, removal and cleanup		9,700.00	
W-0792Fencing Schedule 2 Highways		17,851.68	46,108.37
Paving Branch:			
S-0086 Paving generally		13,495.70	
S-0087 Surveys and investigations		91,883.30	105,379.00
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-2872 Whatcom Interchange, grading		967,847.59	
C-3238 Beck Immel Road,grading and paving		2,059,478.04	3,027,325.63

CENTRAL FRASER VALLEY ELECTORAL DISTRICT (continued)

	$	$	$
Day Labour:			
C-3697 Trans Canada Hwy.1, Whatcom Interchange, construct frontage roads			269,610.17
Bridges:			
Bridge Branch:			
B-3112 Vedder Canal Bridge		141,746.85	
B-3556 Old Clayburn Road Underpass		268,010.37	409,757.22
Planning and Engineering Services			
Traffic Branch:			
E-2942 Abbotsford Bypass-Rte.1A to Old Yale Road, Abbotsford, lighting installation		21,195.42	
E-3757 Tourist Region Boundary and information signs		2,042.28	23,237.70
Lands Survey Branch:			
L-0099 Legal surveys,			
-Explanatory plan of Old Road as shown on LTO Plan 21337, Clearbrook interchange		900.00	
-Through part of N.W.1/4 of Sec.16 and S.W.1/4 and S.E.1/4, Sec.18, Tp.16, N.W.D., Clearbrook interchange 0.6 km+-		1,839.20	2,739.20
Highway Design and Surveys Branch:			
L-0101 Surveys generally,			
-Hwy.11, Abbotsford-Mission, mapping		23.70	
-Miscellaneous "C" Street interchange to Lougheed, Mission(see also Dewdney)		9,215.03	
-Sumas River South Frontage Rd. 1.6 km from Abbotsford to Vedder Canal		32,266.37	41,505.10
Property Services Branch:			
P-2801 Rights-of-way and property purchases			
-4 Marion road, Trans Canada Highway 1		25,000.00	
-Abbotsford "C" Street-MacLure (via Beck)		127,004.67	
-North Paralell Road-McDermott Road 4, Trans Canada Hwy.1		30,300.00	
-South Paralell Road, Atkinoon-McDermott		16,500.00	
-Trans Canada Highway, Abbotsford -Mt. Lehman		515.57	
-Trans Canada Highway, Whatcom Interchange		220,500.00	419,820.24
ECONOMIC RENEWAL-SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS			
Coquihalla Highway Construction			
Planning and Engineering Services:			
Highway Design and Surveys Branch:			
L-2696 Coquihalla Hwy., Abbotsford-Hope Offsite Section, Whatcom Road interchange design		69,468.84	
-Coquihalla Hwy., Hope-Merritt Sec., Barrowtowne-Vedder Interchange on Trans Canada Highway		73,534.11	143,002.95
Total, Central Fraser Valley Electoral District			$5,519,475.11

CHILLIWACK ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			1,223,149.14
Snow removal			599,937.06
Bridge maintenance			73,120.09
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0120 Minor betterments,miscellaneous		162,586.25	
C-0122 Minor betterments,miscellaneous		19,142.63	
C-0156 Hemlock Valley Rd., improve drainage and widen		27,000.00	
C-2114 Morris Valley Road, reconstruct and recap		120,000.00	
C-2499 Chilliwack Lake Road,gravel and recap paving		150,000.00	
C-3365 Chilliwack Lake Road,Rock rip rap at three locations(Vedder Crossing,"on the way", and Simpson's gravelpit)		40,000.00	
C-3439 Hwy.7,Agassiz/Haig,Ruby Creek, bluff cleanup and enlarge slide catchment area		50,000.00	
W-0792 - Fencing Schedule 2 Highways		26,777.51	595,506.39
Bridges:			
Day Labour:			
B-3286 Frost Creek Bridge 2, reconstruct with box beams			77,277.83
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-2873 Popkum Interchange, grading		1,137,237.36	
C-2906 Wahleach Power Station-Cheam View, grading and paving		11,978,268.09	
C-2907 Cheam View to Jones Creek, grading and paving		8,448,306.23	
C-3016 Trans Canada Highway 1, Hunter Creek interchange near Laidlaw Road intersection, construction		443,010.92	22,006,822.60
Roadside Development Branch:			
D-2893 Expo 86, promotional displays (see also Delta and Surrey)		388,350.91	
D-3588 Trans Canada Hwy.1,Prest Road Interchange and Lickman Road Interchange, landscape development		2,646.72	390,997.63
Day Labour:			
D-1552 Roadside development projects, general			96,100.00
Bridges:			
Bridge Branch:			
B-1821 Agassiz-Rosedale Bridge,Hwy.9, expansion bearing replacement		30,816.43	
B-3112 Vedder Canal Bridge		141,746.84	172,563.27
Planning and Engineering Services			
Highway Safety Engineering Branch:			
C-0202 Roadside hazard elimination, -Striker's Corner,fill west ditch along sections of Harrison Hot Springs Road			11,060.46

CHILLIWACK ELECTORAL DISTRICT (continued)

	$	$	$
Traffic Branch:			
E-2941 Rte.7 at Johnston Slough rest area east of Agassiz,lighting installation		15,767.80	
E-3757 Tourist Region Boundary and information signs		2,104.15	17,871.95
Lands Survey Branch:			
L-0099 Legal surveys,			
-In parts of sections 26 and 27, Township 26,E.C.M.Gibson Road underpass			2,248.20
Highway Design and Surveys Branch:			
L-0101 Surveys generally,			
-Cheam Street in Agassiz, curb and gutter, Pioneer to Highway 9		34.44	
-Minor road surveys		44,533.01	
-Trans Canada Highway Gibson Road and Annis Road (underpasses)		23,885.58	
-Trans Canada Highway, Vedder Road Interchange		26.41	68,479.44
Property Services Branch:			
P-2801 Rights-of-way and property purchases			
-Agassiz, curb and gutter		150.00	
-Annis Road interchange Hwy.1 and Hack Brown Road		99,310.59	
-Columbia Valley Hwy.39,Frosst Creek Bridge to Janovick Road		5,668.00	
-Gravel pits, etc.		65,520.54	
-Parmenter Road		2.00	
-Trans Canada Highway, Hunter Creek Interchange		8,850.00	
-Trans Canada Highway, Popkum Interchange		225,617.19	
-Trans Canada Highway 1, Sumas Canal to Vedder Canal		11,500.00	
-Trans Canada Highway, Vedder Interchange		6,796.54	423,414.86
Municipal Programs Branch:			
Secondary Highway Construction and Improvements:			
V-3765 294B, Vedder Road and Cultus Lake Road, North of Luckakuck Way, District of Chilliwack			5,850.00
ECONOMIC RENEWAL-SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS			
Coquihalla Highway Construction			
Roads:			
Construction Branch:			
C-3016 Trans Canada Hwy.1,Hunter Creek Interchange near Laidlaw Road Intersection, construction			390,282.00
Planning and Engineering Services:			
Highway Design and Surveys Branch:			
L-2696 Coquihalla Hwy.,Abbotsford-Hope Offsite Section,Floods to Hope		19,728.11	
-Popkum Road interchange,design		43,098.85	
-Coquihalla Hwy., Hope-Merritt Section, Barrowtowne-Vedder Interchange on Trans Canada Highway		11,970.67	74,797.63
Total, Chilliwack Electoral District			$26,229,478.55

COLUMBIA RIVER ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			2,993,943.78
Snow removal			1,171,371.24
Bridge maintenance			205,890.25
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0135 Minor betterments,miscellaneous		64,578.24	
C-0137 Minor betterments,miscellaneous		229,000.00	
C-1895 Lazy Lake Road, reconstruction		31,010.03	
C-1899 Cranbrook District Roads, sealcoat		196,823.35	
C-1919 Hartley Road, sealcoat		46,800.00	
C-3156 Hwy.1 at Blaeberry River Road, construct left turn slot		50,000.00	
C-3158 Hwy.95,Brisco-Radium,ditching, drainage and shouldering		148,900.00	
C-3476 Nancy Teggart Road,construct new access		23,300.00	
C-3482 Highway 1, hot mix recap		69,800.00	
C-3483 Hwy.93, Radium, binwall installation		47,843.16	
C-3518 Trans Canada Hwy.1,install rock containment wall		16,538.70	
C-3587 Trans Canada Hwy.1, near Redgrave, paving		20,000.00	
W-0355Fencing Schedule 2 Highways		17,000.00	961,593.48
Bridges:			
Day Labour:			
B-3291 Springbrook Bridge, repair concrete curbs		39,999.54	
B-3296 Horsethief Bridge, reconstruct		87,000.00	
B-3297 Channel Bridge, deck construction		23,500.00	
B-3699 Various Bridges(Canal Flats Overhead,Canal Flats 22,Kicking Horse 318,Kicking Horse 6294), cleaning and galvanizing steel bridge panels		21,500.00	171,999.54
Paving Branch:			
S-0084 Miscellaneous surface seals,			
-Castledale to Edgewater Hwy.95, recycling project	1,294.89		
-Hwy.95,4 km south of Invermere Radium, shoulders	137,454.68		
-Hwy.95A, Kimberley to Wasa Junction	143,736.46		
-Hwy.95, Wasa Bridge to Canal Flats Bridge	292,134.01		
-Hwy.93 and 95, Cranbrook to Fort Steele to Wasa Bridge	150,759.48	725,379.52	
S-2862 -Invermere Arterial Highway, Paving		290,870.68	1,016,250.20
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Day Labour:			
N-0385 Guardrail installation		6,974.45	
N-0387 Guardrail installation		50,000.00	56,974.45
Bridges:			
Bridge Branch:			
B-3754 Athalmer Bridge 517,Athalmer Road			2,362.10

COLUMBIA RIVER ELECTORAL DISTRICT (continued)

	$	$	$
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0204 School route improvements, -Arterial from CPR crossing to Hwy.95, sidewalk and bicycle paths			5,631.00
Geotechnical and Materials Engineering Branch:			
G-3399 Hwy.1, Sicamous to Alberta Boundary,4 landing,geotechnical investigations			10,134.74
Lands Survey Branch:			
L-0099 Legal surveys, -Kootenay-Columbia Hwy.95 through parts of D.L.16307 and Section 12 Tp.27 R22 W5M K.D.-Golden Bypass			546.00
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Athalmer-Highway 93/95		31,833.15	
-Fort Steele-Bull River		14,830.82	
-Hwy.93 Radium Junction,Park Gate Station		104.25	
-Minor road surveys		10,757.92	
-Radium Hot Springs		376.75	
-Trans Canada Highway east of Yoho Bridge		5,807.81	
-Trans Canada Highway, Golden-Yoho Bridge		83,942.86	147,653.56
Property Services Branch:			
P-2803 Rights-of-way and property purchases			
-Adair Road 197		760.00	
-Alpine Road 219		12,445.00	
-Gravel pits etc.		15,000.00	
-Horsethief Road 5		10,893.50	
-Kootenay-Columbia Hwy.95, Golden Bypass		4,704.50	
-Westside Road 2		4,470.00	
-Windermere Loop Road 255		210.00	48,483.00
Municipal Programs Branch:			
Amalgamation Grants:			
O-1740 Village of Invermere, municipal restructure grant			30,000.00
Total, Columbia River Electoral District			$6,822,833.34

COMOX ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			3,158,114.87
Snow removal			638,555.52
Bridge maintenance			173,618.27

COMOX ELECTORAL DISTRICT (continued)

	$	$	$
Ferry maintenance and operations-			
Comox-Powell River Ferry (see also MacKenzie)		1,646,571.37	
Denman Island Ferry		587,084.65	
Hornby Island Ferry		519,958.69	
Lasqueti Island Ferry subsidy		99,607.57	2,853,222.28
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Construction Branch:			
C-3989 Port Alberni to Cumberland, Forest Road (see also Alberni)			5,233.23
Day labour:			
C-0122 Minor betterments,miscellaneous		2,449.50	
C-0154 Minor betterments,miscellaneous		100,350.88	
C-0155 Minor betterments			
-Miscellaneous	136,093.68		
-Sealcoat Courtenay miscellaneous roads	119,090.56	255,184.24	
C-3216 -Shawn Road,Coombs, construct access road to subdivision		67,797.75	
C-3218 -Errington Road, reconstruct, recap and pave		88,934.87	
C-3225 Lazo road,reconstruct and pave		99,518.00	
C-3440 Various roads(Holberg Road, Smiths Road,Clarkson Drive, Denman Road,Central Road), paving and rock work		159,129.82	
C-3497 Various roads(Faye Road,Grafton Road,Rupert Road,Nuthatch Road, Bamfield Road),paving and miscellaneous improvements		99,007.55	
W-3341Fencing Schedule 2 Highways		1,611.42	873,984.03
Ferry Landings:			
Bridge Branch:			
B-3261 Buckley Bay and Denman Island west ferry docks,supply and install floating leads			74.00
Paving Branch:			
S-0086 Paving generally		6,580.16	
S-0087 Surveys and investigations		98,404.02	104,984.18
HIGHWAY CAPITAL CONSTRUCTION			
Bridges:			
Bridge Branch:			
B-3684 Ralph River Bridge and approaches,Western Mines Road			86,253.59
Planning and Engineering Services:			
Highway Safety Engineer Branch:			
C-0202 Roadside hazard elimination, -Highway 4, tree removal			10,774.00
Traffic Branch:			
E-3359 Rte.19 at Corfield Road, Parksville,signal and lighting installation			39,649.62
Lands Survey Branch:			
L-0099 Legal surveys, Ryan Road through part Lot 7, Plan 2280 D.L.114, Comox District			150.00

COMOX ELECTORAL DISTRICT (continued)

	$	$	$
Highway Design and Surveys Branch:			
L-0101 Surveys generally,			
-Courtenay Arterial, Embleton Road to 21st Street,curb and gutter		6,991.88	
-Island Highway from Parksville, curb and gutter		104,473.64	
-Minor road surveys		36,104.36	147,569.88
Property Services Branch:			
P-2806 Rights-of-way and property purchases			
-Island Highway 19,Qualicum-Bowser		1.00	
-Errington Road 490		25,574.40	
-Fisher Road 491		3,400.00	
-Island Highway 19-Courtenay North		7,539.00	
-Lasqueti Island main road		800.00	
-Parksville, curb and gutter		13,500.00	
-Parksville/Qualicum Bypass		340.78	
-Piercy Road 129		2,375.00	
-Ravensbourne Lane 2582		1.00	53,531.18
Municipal Programs Branch:			
Secondary Highway Construction and Improvements			
V-3634 291B, Comox Avenue and Anderton Road, Town of Comox			31,655.04
Total, Comox Electoral District			$8,177,369.69

COQUITLAM-MOODY ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			312,817.18
Snow removal			53,025.20
Bridge maintenance			78,559.86
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0119 Minor betterments,miscellaneous		23,173.56	
C-0122 Minor betterments,miscellaneous		12,859.25	
C-3676 Barnett Hwy., repairs after major washout		236,000.00	272,032.81
Paving Branch:			
S-3545 Hwy.1,Port Mann Bridge, deck resurfacing 0.48 km			45,246.60
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-1743 Mary Hill Bypass, Cape Horn to Pitt River			2,420,644.28

COQUITLAM-MOODY ELECTORAL DISTRICT (continued)

	$	$	$
Bridges:			
Bridge Branch:			
B-2387 Coquitlam River Bridge,Mary Hill Bypass		1,613,176.97	
B-2408 Mary Hill Bypass Overhead, Cape Horn to Pitt River Highway		836,012.68	2,449,189.65
Planning and Engineering Services			
Traffic Branch:			
E-1762 Mary Hill Bypass, Port Coquitlam,lighting installation		158,066.60	
E-2430 Rte.7,Cape Horn Interchange to Colony Farm Road, Coquitlam, lighting installation		4,726.60	
E-3542 Rte.7 at Mary Hill Bypass,Port Coquitlam, signal and lighting replacement		94,350.18	
E-3597 United Way at Mary Hill Bypass, Coquitlam,signal and lighting installation		117,313.00	
E-3642 Rte.1-Port Mann Bridge,lighting replacement		27,475.50	401,931.88
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Barnet Highway from Sperling Avenue to Clarke Road (see also Burnaby North)		35,676.21	
-Lougheed Hwy. from Cape Horn Interchange to Port Coquitlam (Kingsway Avenue)		2,655.00	38,331.21
Property Services Branch:			
P-2801 Rights-of-way and property purchases			
-Barnet Hwy.7A,St.Johns Street intersection		460,000.00	
-Mary Hill Bypass		40,680.09	
-Trans Canada Highway,United Way connection		2,892.00	503,572.09
Total, Coquitlam-Moody Electoral District			$6,575,350.76

COWICHAN-MALAHAT ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			2,492,890.06
Snow removal			466,371.65
Bridge maintenance			162,497.60
Ferry maintenance and operations-Thetis Island Ferry			632,439.84
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0122 Minor betterments,miscellaneous		9,970.74	
C-0152 Minor betterments,miscellaneous		193,369.99	
C-3210 Wilson Road, road widen, fence and pave		54,016.33	
C-3211 South Shore Road,reconstruction and paving		240,892.95	

COWICHAN-MALAHAT ELECTORAL DISTRICT (continued)

	$	$	$
C-3212 Renfrew Road, reshape, ditch and pave		128,386.04	
C-3495 Various Roads(Easthom Road, Berry Point Road, Akenhead Road, Renfrew Road, Youbou Road), recap		31,504.68	
W-0365 Fencing Schedule 2 Highways		16,000.00	674,140.73
Bridges:			
Day Labour:			
B-3277 Elford Bridge, box beam reconstruction			100,000.00
Ferry Landings:			
Bridge Branch:			
B-3236 Chemainus Ferry Terminal, improvements (new office, security fencing and paving)			192.00
Paving Branch:			
S-0084 Miscellaneous surface seals, -Road surface chip seal, Hwy.1 Junction to Meade Creek Bridge (31 km)			710.00
HIGHWAY CAPITAL CONSTRUCTION			
Bridges:			
Bridge Branch:			
B-1734 Koksilah pedestrian overpass, Trans Canada Highway			9,780.13
Planning and Engineering Services			
Highway Safety Engineering Branch:			
C-0204 School route improvements, -Youbou Road, widen shoulder by culverting ditch and provide walkway for school children			8,972.00
Traffic Branch:			
E-0343 Rte.1 at Allenby Road, Duncan, lighting and signal installation			540.00
Lands Survey Branch:			
L-0099 Legal surveys, -Through west 40 acres of section 11, Range 8, Shawnigan District 0.40 km+-, Chapman Road			240.00
Highway Design and Surveys Branch:			
L-0101 Surveys generally,			
-Four laning with left turn slot in the vicinity of D.L.75		27,302.16	
-Minor road surveys		8,077.34	35,379.50
Property Services Branch:			
P-2806 Rights-of-way and property purchases			
-Chapman Road		105.00	
-Polkey Road		24,325.00	
-Renfrew Road		6,575.00	
-South Shore Road		7,300.00	
-South Watts Road		1,000.00	
-Trans Canada Highway, Malahat Drive Section		10,000.00	49,305.00
Total, Cowichan-Malahat Electoral District			$4,633,458.51

DELTA ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			934,198.56
Snow removal			71,287.87
Bridge maintenance			175,548.56
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0119 Minor betterments,miscellaneous		91,966.95	
C-3536 George Massey Tunnel approach ramps,repaving and joint sealing		112,500.02	
C-3579 George Massey Tunnel, crack sealing of tunnel walls		116,900.00	321,366.97
Bridges:			
Day Labour:			
B-3284 George Massey Tunnel, coat floor, repair cracks and wind vanes		15,000.00	
B-3285 Canoe Pass Bridge,replace pile bent		40,000.00	55,000.00
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Roadside Development Branch:			
D-2893 Expo 86, promotional displays			388,350.91
Bridges:			
Bridge Branch:			
B-3391 George Massey Tunnel,located on Dease Throughway,Hwy.99 under Fraser River, cleaning and painting			254,155.59
Planning and Engineering Services			
Traffic Branch:			
E-0280 Rte.99 Massey Tunnel,reversible lane, electrical and signing		62,828.66	
E-2958 Routes 1, 17 and 99, illumination of Expo 86,floral displays (various locations) (see also Langley and Surrey)		18,023.37	80,852.03
Highway Design and Surveys Branch:			
L-0101 Surveys generally,			
-Highway 17,Tsawwassen Terminal to 56th St.,Delta and 34B Ave. grade separation		6,150.99	
-Miscellaneous Roberts Bank Railway crossings		32,822.34	
-Scott Road from Highway 1 to Highway 10 (see also Surrey)		47,095.51	
-Scott Road, Old Yale Road to 96th Avenue (see also Surrey)		52,203.93	138,272.77
ECONOMIC RENEWAL-SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS			
Fraser River Crossing(Annacis Island)			
Roads:			
Construction Branch:			
C-1584 Fraser River Crossing(Annacis Is.), Nordel Interchange, purchase of hog fuel		1,985,100.55	

DELTA ELECTORAL DISTRICT (continued)

		$	$	$
C-1593	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge, pier protection works and dredging(see also New Westminster)		535.50	
C-2495	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge, 84th Connector,Nordel Overpass approach fills		205.15	
C-2550	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge, Sta.165+00,B.C.Hydro Tower relocation		6,208.07	
C-2620	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge,Nordel to 64th Ave.and 72nd Ave.,mainline construction		1,686,172.71	
C-2679	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge,supply of dredged material (64th stockpile site)		497,185.19	
C-2680	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge,supply of dredged material (see also Richmond)		40,800.00	
C-2682	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge, 64th Interchange,grading		355,160.60	
C-2689	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge, 64th-10th, including B.N.I.Railway relocation,consttruction		3,451,101.87	
C-2770	-Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge, 72nd Avenue bridge approach fills and grading		733.04	
C-2786	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge,Mud Bay to Hwy.10,B.C. Railway relocation,B.N.Railroad relocation,grade construction		234,011.69	
C-2807	Fraser River Crossing(Annacis Is.),Highway 99,Queensborough Bridge, 64th Ave. Connector, grading and paving		930,015.08	
C-2931	Fraser River Crossing(Annacis Is.),Nordel interchange shaping. gravelling, paving		5,932,987.34	
C-2934	Fraser River Crossing(Annacis Is.), guardrail purchase		119,452.72	
C-2986	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge,Highway 10 Annacis Hwy.-Scott Road,grading and paving		1,276,013.42	
C-3003	Fraser River Crossing(Annacis Is.),Highway 99-Queensborough Bridge, 88th Ave. Extension, grading and paving		2,407,316.42	
C-3005	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge,Highway 10-Highway 99, preparatory grading		110,129.91	
C-3089	Fraser River Crossing(Annacis Is.),Highway 10 Interchange to 64th Ave.Interchange, grading and paving including B.N.I. and B.C. Railway relocations		5,357,944.43	

DELTA ELECTORAL DISTRICT (continued)

		$	$	$
C-3090	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge, B.N.R./B.C.R. Track relocation; Ballast, tie and rail construction		1,539,957.48	
C-3600	Fraser River Crossing(Annacis Is.),Highway 99 Interchange to Highway 10 Interchange on Annacis Highway,grading and paving		751,853.90	
C-3602	Fraser River Crossing(Annacis Is.),Highway 99 to Queensborough Bridge,Highway 10 to Highway 99, densification		361,056.83	27,042,941.90
Roadside Development Branch:				
D-3682	Fraser River Crossing(Annacis Is.), including connectors, roadside development			16,000.80
Bridges:				
Bridge Branch:				
B-0895	Fraser River Crossing(Annacis Is.),main span(see also New Westminster)		11,299,839.69	
B-2444	Fraser River Crossing(Annacis Is.), insurance premiums (see also New Westminster)		449,882.00	
B-2636	Fraser River Crossing(Annacis Is.),Annacis Bridge south approach S3-S23		13,374,332.61	
B-2795	Fraser River Crossing(Annacis Is.), Nordel Underpass		779,927.59	
B-2796	Fraser River Crossing(Annacis Is.),84th Avenue B.N.R. Overhead		2,052,323.43	
B-2799	Fraser River Crossing(Annacis Is.),64th Avenue Underpass and B.N.R. Overhead		932,296.51	
B-2929	Fraser River Crossing(Annacis Is.),72nd Ave. B.N.R. Overpass		1,585,968.45	
B-2985	Fraser River Crossing(Annacis Is.),various bridge projects, material testing		374.50	
B-3032	Fraser River Crossing(Annacis Is.),watershed park overpass construction		810,868.83	
B-3034	Fraser River Crossing(Annacis Is.),Highway 10 B.N.R.Overhead and Highway 10 access ramp		2,189,307.16	
B-3085	Fraser River Crossing(Annacis Is.),approaches to main bridge, supply and installation of deck joints		667,524.97	
B-3346	Fraser River Crossing(Annacis Is.),construction parapet railings on north and south approaches and sidewalks on north approach		389,002.62	
B-3531	Fraser River Crossing(Annacis Is.),Mud Bay B.C. Rail Overpass		430,739.34	
B-3641	Fraser River Crossing(Annacis Is.),Mud Bay B.C. Rail Overhead		68,469.59	35,030,857.29
Planning and Engineering Services				
Geotechnical and Materials Engineering Branch:				
G-0038	Fraser River Crossing(Annacis Is.),geotechnical-materials engineering (see also New Westminster and Richmond)			282,255.60

DELTA ELECTORAL DISTRICT (continued)

	$	$	$
Highway Design and Surveys Branch:			
L-0558 Fraser River Crossing(Annacis Is.),south side of Fraser River to Highway 99			445,034.98
Highway Planning Branch:			
O-2419 Fraser River Crossing(Annacis Is.),relocation of Burlington Northern Railway			12,920.16
Property Services Branch:			
P-0599 Rights-of-way and property purchases, Fraser River Crossing (Annacis Is.)(see also New Westminster and Richmond)			4,544,216.80
Total, Delta Electoral District			$69,793,260.79

DEWDNEY ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			1,122,614.32
Snow removal			371,422.94
Bridge maintenance			89,092.96
Ferry maintenance and operations-Albion-Fort Langley Ferry (see also Langley)			911,322.50
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0119 Minor betterments,miscellaneous		2,834.56	
C-0120 Minor betterments,miscellaneous		48,142.12	
C-0122 Minor betterments,miscellaneous		10,930.36	
C-2490 Stave Lake Road and Farms Road, Hatzic Prairie, reconstruct and pave		100,000.00	
C-3435 Nicomen Island and Sterling Road, recap paving		100,000.00	261,907.04
Ferry Landings:			
Bridge Branch:			
B-3023 Albion-Fort Langley Ferry Terminal ramps, pontoons and aprons (see also Langley)			276,864.90
Ferries:			
Marine Branch:			
H-2927 M. V. Klatawa, alternate fuel conversion,including compressor and piping system(see also Langley)			200,000.02
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-1690 Haney to Albion Junction, Lougheed Highway widening including the Kanaka Creek Bridge		32,743.15	
C-1799 Highway 11, Mission overhead approaches		12,178.96	44,922.11

DEWDNEY ELECTORAL DISTRICT (continued)

	$	$	$
Bridges:			
Bridge Branch:			
B-1709 Mission Overhead Over C.P.Railway,Abbotsford-Mission Hwy.11		806.97	
B-2651 Carratt Creek Bridge,Carratt Road,Cascade Creek Bridge, Sylvester Road		3,191.84 cr	2,384.87 cr
Paving Branch:			
S-3258 Scott Road reconstruction, 64th, 72nd and 84th Ave.intersection grading, paving and drainage		464.16	
S-3621 Highway 7,Haney,curb and gutter, 227th St.to east of 229th St.		193.97	658.13
Planning and Engineering Services			
Traffic Branch:			
E-3389 Route 7 at Park Road/Bonson Road, Pitt Meadows, lighting installation			11,346.00
Lands Survey Branch:			
L-0099 Legal Surveys, -1. Statutory right-of-way for Highway through Lot A and B plan 13027,SE 1/4,Sec.8,Tp.24, NWD-Brooks Road 27 2. Reposting 5 monuments for Lot 3, Plan 38412		850.00	
-Carlson and Burns Road in part of Sec.24,Tp.18, N.W.D.		950.00	
-Through Parts of Lots A and B (remainder Lot 5)District Lot 43, Group 2, N.W.D.		650.00	2,450.00
Highway Design and Surveys Branch:			
L-0101 Surveys generally,			
-Highway 11 Abbotsford-Mission, mapping		23.70	
-Layout of first curve-north approach to Mission Bridge		1,840.80	
-Lougheed Highway from Haney to Silver Creek		220,252.09	
-Miscellaneous "C" Street Interchange to Lougheed,Mission (see also Central Fraser Valley)		9,215.02	
-Silverdale Creek - Hurd Road		80,213.86	311,545.47
Property Services Branch:			
P-2801 Rights-of-way and property purchases			
-Lougheed Highway,Haney-Albion		4,333.86	
-Lougheed Highway at Dewdney Trunk Road		1,100.00	
-Lougheed Highway, Mission roadworks		138,675.76	
-Lougheed Highway, Silverdale to Hurd Street		722,124.20	
-Stave Lake Road		1,266.00	867,499.82
Municipal Programs Branch:			
Secondary Highway Construction and Improvements			
V-0717 74B Harris Road,District of Pitt Meadows		43,110.67	
V-0731 253B, Dewdney Trunk Road and 224th Street,District of Maple Ridge		294,000.00	
V-0737 283B, Grand St.,7th Avenue and Cedar Street,District of Mission		53,575.00	
V-3572 92B, Old Dewdney Trunk Road, District of Pitt Meadows		156,621.33	547,307.00
Total, Dewdney Electoral District			$5,016,568.34

ESQUIMALT-PORT RENFREW ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			2,311,424.84
Snow removal			238,812.97
Bridge maintenance			72,149.20
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour			
C-0122 Minor betterments,miscellaneous		2,096.41	
C-0153 Minor Betterments			
-East Sooke miscellaneous resurfacing	63,917.96		
-Miscellaneous	12,397.26	76,315.22	
C-2156 Highway 17A, at Goward, left turn slot		38,246.70	
C-3214 Treanor Ave.,extend to Millstream Road, reconstruct and pave		242,702.88	
C-3215 Kelly Road at Highway 14,intersection improvements		39,212.88	
C-3494 Highway 14,reconstruct and pave		137,986.51	536,560.60
Bridges:			
Day Labour:			
B-3349 Treanor Ave.Bridge,construct new bridge with timber abutments and box beams			156,956.34
Paving Branch:			
S-0086 Paving generally, -Trans Canada Highway 1, Goldstream Park for 3 km northward			2,615.52
HIGHWAY CAPITAL CONSTRUCTION			
Planning and Engineering Services			
Highway Safety Engineering Branch:			
C-0203 Highway Safety Measures,intersection improvements,elimination of left turn movements, including island installations			837.00
Traffic Branch:			
E-3625 Route 14 at Kelly Road.Colwood, signal and lighting installation		27,211.61	
E-3695 Route 1 at Millstream Road, Langford, signal and lighting revision		44,439.64	71,651.25
Lands Survey Branch:			
L-0099 Legal surveys,			
-A. Kelly and Adye widening in Part Lot 2,Plan 5983,Esquimalt District B. Kelly Road-Sooke Road in Lot 2,Plan 12056,Sec.69, Esquimalt District		1,500.00	
-Highway widening in Lot 3,Plan 2001,D.L.14 Malahat District		2,300.00	
-Plan of Statutory right-of-way for Highway over Plan 1205 OS and part Lot 1 Plan 8792,Secs, 74 and 70-Esquimalt District-(Pickford Road)		660.00	
-Through Part Lots 15 to 17 and 22 to 25 inclusive,Plan 1773, Section 49, Otter District-Goudie Road		1,718.00	

ESQUIMALT-PORT RENFREW ELECTORAL DISTRICT (continued)

	$	$	$
-West Coast Hwy.14 in Part of Sections 59 and 71, Sooke District 0.2 km +-		1,670.00	7,848.00
Highway Design and Surveys Branch:			
L-0101 Surveys generally,			
-Minor road surveys		11,852.91	
-Sooke Road (4 lane passing)		92,145.05	
-Trans Canada Highway and Millstream		718.43	104,716.39
Property Services Branch:			
P-2806 Rights-of-way and property purchases			
-Adye Road at Kelly Road		15,000.00	
-Cecil Blogg Drive		1.00	
-Gillespie Road		3,217.90	
-Kirby Creek Bridge approaches		6,325.00	
-Millstream Road		335.00	
-Ocean Boulevard		685.50	
-Selwyn Road		1.00	
-Sooke Road-Kelly Road Intersection		4,741.00	
-Trans Canada Highway		151.00	30,457.40
Municipal Programs Branch:			
Amalgamation Grants:			
O-3384 District of Metchosin, amalgamation grant			189,999.00
Total, Esquimalt-Port Renfrew Electoral District			$3,724,028.51

KAMLOOPS ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			6,399,427.15
Snow removal			2,003,330.00
Bridge maintenance			488,679.04
Ferry maintenance and operations-			
Little Fort Ferry		66,308.29	
McLure Ferry		50,095.83	116,404.12
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0123 Minor betterments, miscellaneous		376,310.47	
C-0145 Minor betterments, miscellaneous		65,124.95	
C-0814 Agate Bay Road, Squaam Bay, reconstruction and paving		242,705.75	
C-2050 Hwys.16 and 5, various sections, machine brushing		25,135.09	
C-2193 Barnhartvale Road, reconstruction		271,906.75	
C-2514 Clearwater Valley Road, reconstruct and pave		344,497.59	
C-3189 Landscape and reclamation of depleted gravel pits		5,321.00	
C-3385 Hwy.97, Monte Creek Hill, widening		50,158.52	
C-3451 Dunn Lake Road, construction		173,911.39	
C-3452 Pinantan subdivision Roads, regravel and surface treat		220,194.06	
C-3453 Heffley Lake Subdivision Road, regravel and surface treat		87,439.29	

KAMLOOPS ELECTORAL DISTRICT (continued)

	$	$	$
C-3599 Preacher Hill,slide repair, drainage and pave		35,053.00	
W-0344Fencing Schedule 2,Highways		131,489.59	2,028,347.45
Bridges:			
Day Labour:			
B-3305 Cold Creek Bridge, box beam construction		41,910.06	
B-3306 Fishtrap Bridge, box beam construction		69,178.20	111,088.26
Paving Branch:			
S-0086 Paving generally		176,647.31	
S-0087 Surveys and investigations		5,859.88	
S-2998 Hwy.5 from south of Louis Creek to Little Fort(36.8 km)		2,590,899.61	
S-3226 Hwy.5, Blackpool to Raft River		1,878,943.18	4,652,349.98
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-0916 Hwy.24,Little Fort-Phinetta Lake Section,reconstruction		4,214.08	
C-1563 Halston Bridge approach		4,207.72	
C-2874 Highways 1 and 5A, Aberdeen Interchange, grading		5,570,090.37	
C-3581 Trans Canada Hwy.1,Afton to Old Ski Hill and copperhead underpass,clearing,grubbing,grading, paving		66,622.33	
C-3582 Trans Canada Highway 1,Old Ski Hill to Columbia Street and Pacific Way Underpass,clearing, grubbing, grading, paving		46,067.64	5,691,202.14
Roadside Development Branch:			
D-2779 Kingston Avenue to North Thompson River Bridge,landscape development			67,666.24
Day Labour:			
C-2905 Highway 5,4 lane construction (2.5 km)		448,520.17	
N-0373 Guardrail installation		36,152.65	
N-0434 Guardrail installation		19,894.00	504,566.82
Bridges:			
Bridge Branch:			
B-2788 Six Mile Bridge,North Thompson Highway, modifications		186,507.06	
B-3606 Pacific Way Underpass,Trans Canada Highway		38,597.18	225,104.24
Paving Branch:			
S-2814 Merritt District Boundary-Junction Highway 1 in Kamloops (34.8 km)			1,733,007.43
Planning and Engineering Services			
Traffic Branch:			
E-3015 Route 5A at: 1) Aberdeen Drive 2) Hugh Allen/Summit Drive, Kamloops,lighting installation		11,131.58	
E-3113 Rte.5 at Station Rd., Heffley Creek, signal and lighting installation		18,904.50	
E-3430 Rte.5 at Clearwater Village Road,Clearwater,lighting revision		13,059.28	43,095.36

KAMLOOPS ELECTORAL DISTRICT (continued)

		$	$	$
Lands Survey Branch:				
L-0099	Legal surveys			
	-93 Mile-Littlefort Hwy.24, W.Bdy.,D.L.1446,L.D. to D.L. 1907, KDYD 16.0+-		5,990.00	
	-For plan of Statutory right-of-way for Highway Yellowhead south Highway 16,(Clearwater) in part of District Lot 290		960.00	
	-Kootenay Road widening within Kamloops Indian Reserve 1		305.00	
	-Over Part of Plan A823 within District Lots 1317 and 1445, KDYD (1.8 km+-)		3,200.00	
	-Reference Plan to show Trans Canada Highway right-of-way through District Lots 268 and 269 KDYD		380.00	
	-Through Part of Lot 1, Plan 29846, D.L. 3392,KDYD,93 Mile-Littlefort Highway 24		952.00	11,787.00
Highway Design and Surveys Branch:				
L-0101	Surveys generally			
	-Little Fort-Lac Des Roches (see also Cariboo)		33,750.97	
	-North Thompson Crossing, Kamloops,photo and mapping leading to location survey		7,780.77	
	-North Thompson Highway from Paul Creek to Heffley Creek		1,145.56	
	-Trans Canada Highway 1, Cherry Creek to Cornwall Lodge		7,732.52	
	-Trans Canada Highway, from Valleyview to Campbell Creek		103.00	50,512.82
Property Services Branch:				
P-2802	Rights-of-way and property purchases			
	-Agate Bay Road	8,878.00		
	-Clearwater Valley Road	4,127.01		
	-Dunn Lake Road	5,500.00		
	-Gravel Pits etc.	351.12		
	-Intersection of Highway 1 and 5	29,503.75		
	-Kingston Avenue	120.83		
	-Merritt-Kamloops Highway 5	1.00		
	-Summit Drive extension	10,521.72		
	-Trans Canada Highway,Merritt Junction to Valleyview	1,200.00		
	-Trans Canada Highway, Valleyview to Campbell Creek	15,332.00		
	-Tunkwa Lake road	250.00		
	-Yellowhead Highway 5, South	325.88	76,111.31	
P-2804	Rights-of-way and property purchases			
	-Gulbranson Road 368		2,830.00	78,941.31

ECONOMIC RENEWAL - SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS

		$	$	$
Coquihalla Highway Construction:				
Roads:				
Construction Branch:				
C-3396	Coquihalla Highway,Merritt-Kamloops Section production of aggregates from Timber Lake Pit		128,670.59	
C-3530	Coquihalla Highway,Merritt-Kamloops Section,Stake Lake to Rush Lake,clearing and grubbing		130,068.53	
C-3558	Coquihalla Highway,Merritt-Kamloops Section,Rush Lake to Moose Lake,clearing and grubbing, and grading (4.347)		906,513.47	

KAMLOOPS ELECTORAL DISTRICT (continued)

	$	$	$
C-3559 Coquihalla Highway,Merritt-Kamloops Section,Moose Lake to Highway 1,clearing,grubbing and grading		722,991.62	1,887,244.21
Roadside Development Branch:			
D-3681 Coquihalla Highway,Phases 1, 2 and 3,roadside development			18,876.13
Bridges:			
Bridge Branch:			
B-3568 Coquihalla Highway,Merritt-Kamloops Section,Afton Overpass		57,765.14	
B-3647 Coquihalla Highway,Merritt-Kamloops Section,Copperhead Drive Underpass		40,042.25	97,807.39
Planning and Engineering Services:			
Traffic Branch:			
E-3624 Coquihalla Highway,Driver Information Display System		1,165.56	
E-3692 Coquihalla Highway,Merritt-Kamloops Section,Moose Lake to Route 1,lighting installation		1,578.82	
E-3693 Coquihalla Highway,Merritt-Kamloops Section,Afton to Old Ski Hill,lighting installation		2,096.34	
E-3694 Coquihalla Highway,Merritt-Kamloops Section,Old Ski Hill to Columbia Street,lighting installation		2,925.23	7,765.95
Property Services Branch:			
P-3227 Rights-of-way and property purchases Coquihalla Highway,Merritt-Kamloops Section,			
-Afton-Aberdeen		233,799.33	
-Highway 5		10,121.93	
-Intersection 9 Highway 1 and 5, Diamond Interchange		810,329.18	
-Moose Lake to Highway 1		524,852.00	
-Old Ski Hill to Kamloops		12,100.00	
-Rush Lake to Moose Lake		60,800.00	
-Stake Lake to Rush Lake		6,950.00	
-Trans Canada Highway Section, Afton to Old Ski Hill		799,407.75	2,458,360.19
Total, Kamloops Electoral District			$28,675,563.23

KOOTENAY ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			3,010,566.65
Snow removal			1,341,013.97
Bridge maintenance			187,353.07
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0135 Minor betterments,miscellaneous		143,738.66	
C-0136 Minor betterments,miscellaneous		178,000.00	

KOOTENAY ELECTORAL DISTRICT (continued)

	$	$	$
C-1633 Corbin Road,reconstruction		181,081.31	
C-1899 Cranbrook District Roads, sealcoat		80,392.64	
C-1911 Jaffray Area Roads,hot-mix recap		45,000.00	
C-3151 Highway 3,Fernie-Elko,drainage improvement		50,000.00	
C-3152 Fording Road,shouldering, ditching and patching		45,000.00	
C-3153 Fernie Ski Hill Road, reconstruction		103,918.69	
C-3560 Monroe Lake Road,major patching		115,372.98	
W-0353Fencing Schedule 2 Highways		3,300.00	
W-0354Fencing Schedule 2 Highways		12,000.00	957,804.28
Bridges:			
Day Labour:			
B-3292 Fording River Bridge,repair decking		9,998.00	
B-3293 Ekiford Bridge,repair decking		10,000.00	
B-3294 West Fernie Bridge,repair concrete pier and abutment		26,007.69	
B-3295 Sand Creek Bridge,abutment construction		17,363.53	63,369.22
Paving Branch:			
S-0084 Miscellaneous surface seals,			
-Crushed granular graded seal aggregate in stockpile Ta Ta Creek Pit	58,015.56		
-Highway 3 Cranbrook to Wardner	293,707.94		
-Highway 3 Hiawatha Pit to West Boundary Cranbrook	101,471.77	453,195.27	
S-0086 Paving generally		7,686.54	
S-0087 Surveys and investigations		43,877.86	
S-2984 Highways 3 and 95, Cranbrook North Interchange		821,389.15	1,326,148.82
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-1312 Sparwood to Cummings Creek, Elk Valley Road,reconstruction			63,646.85
Roadside Development Branch:			
D-3110 Highway 97,Cranbrook East Interchange,landscape development			62,573.88
Day Labour:			
N-0385 Guardrail installation		12,952.55	
N-0386 Guardrail installation		38,404.46	51,357.01
Planning and Engineering Services:			
Highway Safety Branch:			
C-0204 School route improvements,			
-Highway 3,Jaffray,paint crosswalk, install davits and signs, construct pedestrian path		4,802.00	
-West Fernie,widen and pave shoulders to provide sidewalk		11,998.00	16,800.00
Traffic Branch:			
E-2972 Route 3/95 at Route 95A, Cranbrook North Interchange, lighting installation			91,165.81
Lands Survey Branch:			
L-0099 Legal Surveys			
-Alpine Road 219 in part of Columbia Lake I.R.3 and District Lot 7155,K.D.0.7 km+-		4,370.00	

KOOTENAY ELECTORAL DISTRICT (continued)

	$	$	$
-Elk Valley Highway 43 through part of D.L.'s 4588,4589,4135, 9488,8255,8256 and 7781,K.D., 3.5 km+-		7,308.00	
-Kimberly Highway 95A,E.Bdy., D.L.6034 To W.Bdy.,D.L.10368, K.D. 3.8 km+-		9,466.50	
-Survey of gravel pit,part of Block A,D.L.7991 and south half of D.L.7992,K.D.		1,080.00	
-Plan of subdivision of part of District Lot 4588 Kootenay District-Olsen Crossing Gravel Pit		1,285.00	
-Proposed legal survey for plan of statutory right-of-way for highway,Cranbrook North Interchange in part of District Lots 28,2872 and 33, Kootenay District,2.0 km+-		7,890.00	31,399.50
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Cranbrook N. Interchange		1,806.00	
-Elk River Road from mile 2.2 -3.6 and mile 10.2-12.6		630.39	
-Fernie curb and gutter survey (Highway 3 between bridges)		55,413.52	
-Highway 3,Jim Smith Lake Road to Baker Street,Cranbrook		45,514.22	
-Highway 3 to McGillivray		17,831.11	
-Highway 3 site plan for turn slots Rosen Lake and Jaffray Yard		900.07	
-Minor road surveys		87,299.38	
-Morrissey Bridge over Elk River site plan		8,143.38	
-Sand Creek Bridge on Jaffray - Baynes Lake Road - site plan		91.50	
-S.T.P.H. 3 - Upper Moyie Lake		372.00	
-Wildlife reflector study		1,273.74	219,275.31
Property Services Branch:			
P-2803 Rights-of-way and property purchases			
-Airport Road 343		1.00	
-Cranbrook North Interchange, Crowsnest Highway 3 and Kimberley Highway 95A		147,950.00	
-Crowsnest Highway 3		1,190.00	
-Emerald Tree Road 379		1.00	
-Jap Lake Road 259		2,740.00	
-Jaffray-Baynes Lake Road 9		4,317.00	
-Kaisner Road 300		1,506.00	
-Rock Lane Camp Road 172		1,463.00	159,167.00
Total, Kootenay Electoral District			$7,581,641.37

LANGLEY ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			619,534.70
Snow removal			105,507.75
Bridge maintenance			51,523.97

LANGLEY ELECTORAL DISTRICT (continued)

	$	$	$
Ferry maintenance and operations- Albion-Fort Langley Ferry(see also Dewdney)			911,322.50
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0119 Minor betterments, miscellaneous			17,968.25
Ferry Landings:			
Bridge Branch:			
B-3023 Albion-Fort Langley Ferry Terminal; ramps, pontoons and aprons			276,864.86
Ferries:			
Day Labour:			
H-2927 M. V. Klatawa, alternate fuel conversion (natural gas installation), including compression and piping system			199,999.98
HIGHWAY CAPITAL CONSTRUCTION			
Planning and Engineering Services:			
Traffic Branch:			
E-2958 Routes 1, 17 and 99, illumination of Expo 86, floral displays (various locations)			18,023.37
Highway Design and Surveys Branch:			
L-0101 Surveys generally,			
-Aldergrove to U.S. Border		111.45	
-Carvolth from Highway 401 to Fraser Highway		68,118.64	
-Highway 1A from 200th Street to 202nd Street		10,410.68	
-Highway 1A, Highway 13 to Aldergrove		27,854.61	
-Highway 10 - Cloverdale East truck lane		54,304.70	160,800.08
Property Services Branch:			
P-2801 Rights-of-way and property purchases -Glover road, Springbrook-88th Avenue			684.60
Total, Langley Electoral District			$2,362,230.06

MACKENZIE ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			1,773,254.29
Snow removal			445,697.21
Bridge maintenance			133,697.13
Ferry maintenance and operations-			
Comox-Powell River Ferry(see also Comox)		1,670,994.43	
Texada Island Ferry		895,990.26	2,566,984.69

MACKENZIE ELECTORAL DISTRICT (continued)

	$	$	$
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour			
C-0118 Minor betterments,miscellaneous		116,446.91	
C-0146 Minor betterments,miscellaneous		33,800.60	
C-3116 Hwy.101-Nootka St.intersection, Powell River,drainage improvements		212,400.00	
C-3117 King Road,Sechelt,drainage improvements		62,600.00	
C-3165 Landscape and reclamation of depleted gravel pits		3,629.19	
C-3364 Tyson and King Roads,approach paving,ditching and widen		35,000.00	
C-3445 Starfish Road,Redroofs Road area, improve drainage and erosion stabilization		18,026.04	
C-3446 Roberts Road at Hwy.101,Powell River,reconstruct and pave intersection		20,000.00	
C-3447 Pine Road, Gibsons, reconstruct		39,163.23	
C-3448 King Road, Gibsons, reconstruct		20,000.00	561,065.97
Bridges:			
Day Labour			
B-3283 Roberts Creek Bridge,reconstruct		159,999.87	
B-3630 Wildwood Bridge,replace sidewalk		15,000.00	174,999.87
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Day Labour:			
N-0369 Guardrail installation		19,754.75	
N-0435 Guardrail installation		1,602.04	21,356.79
Planning and Engineering Services			
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Highway 101 from Langdale Ferry to Highway 101 at Park Road,Sechelt Bypass-Airport to Trout Lake		131,957.65	
-Langdale-Gibsons Landing from Gibsons Creek to Park Road, curb and gutter		480.08	132,437.73
Property Services Branch:			
P-2801 Rights-of-way and property purchases -Sunshine Coast Highway 101, Langdale, Park Road			12,491.56
Total, Mackenzie Electoral District			$5,821,985.24

MAILLARDVILLE-COQUITLAM ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			243,735.61
Snow removal			24,890.82
Bridge maintenance			29,584.96

MAILLARDVILLE-COQUITLAM ELECTORAL DISTRICT (continued)

	$	$	$
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0119 Minor betterments,miscellaneous		15,062.17	
C-0122 Minor betterments,miscellaneous		7,779.84	
C-3392 Trans Canada Highway 1 to United Way Connector,grading,paving and drainage		1,424,513.12	1,447,355.13
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-1841 Lougheed Highway 7,Cape Horn-Colony Farm			7,843.73
Planning and Engineering Services			
Highway Design and Surveys Branch:			
L-0101 Surveys generally -Mary Hill Bypass			102,686.59
Total, Maillardville-Coquitlam Electoral District			$1,856,096.84

NANAIMO ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			2,970,599.74
Snow removal			379,075.30
Bridge maintenance			93,603.38
Ferry maintenance and operations -			
Gabriola Island Ferry		1,635,931.73	
Newcastle Island Ferry subsidy		17,964.29	1,653,896.02
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0122 Minor betterments, miscellaneous		12,555.00	
C-0152 Minor betterments, miscellaneous		123,630.01	
C-2162 Ware Rd., drainage channel construct		27,252.82	
C-3209 Brenton Page Road, widen & raise road surface		111,200.00	274,637.83
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Day Labour:			
D-0012 Roadside development projects - general		70,000.00	
N-0395 Guardrail installation		12,000.00	82,000.00
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0202 Roadside hazard elimination miscellaneous pole removal		1,125.00	
C-0204 School route improvements			
-Lake Cowichan Road: Kimberly to Sherman Road	11,000.00		
-Walsh Road: MacMillan to Canin Road, shoulder improvements	9,999.00	20,999.00	

NANAIMO ELECTORAL DISTRICT (continued)

	$	$	$
C-0205 General safety works, guardrail placement (dangerous movement prevention)		5,908.00	28,032.00
Traffic Branch:			
E-2414 Route 19 near Northfield Road, Nanaimo, pedestrian underpass lighting installation			9,194.43
Lands Survey Branch:			
L-0099 Legal Surveys			
-Plan of Statutory Right-of-Way for Highway through part of D.L. 13 Bright District, Garden Road		700.00	
-Reference Plan Pursuant to Section 100 (1) (B) of the Land Title Act of Lots 20 and 21. Plan 5606, Section 1, Nanaimo District		900.00	
-Through Part D.L.15. Bright District. Lots 9, 20 & 54. Oyster District 1.9 km+-		6,345.40	
-Trans Canada Highway - Ladysmith Carmichael Road Sections 1. S.BDY.,D.L. 81 to N.BDY.D.L.80 1.4 km 2. Widenings in D.L.'s 65, 75, 147 & 127 0.8 KM Oyster District		6,128.68	14,074.08
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Cypress Street to B.C. Ferry property		45,899.52	
-George Pearson Bridge To Departure Bay Road, mapping for curb and gutter		14,038.82	
-Highway 19, Bowen Road			
-Highway 19, Nanaimo Bypass		363,748.02	
-Island Highway from Chemainus to Ladysmith		227.75	
-Island Highway from Haslam Creek to Cedar Junction		229.19	
-Island Highway from Ladysmith to Carmichael Road		6,577.59	
-Minor road surveys		16,680.45	
Norwell & Rock City Road		10,680.26	458,081.60
Property Services Branch:			
P-2806 Rights-of-way and property purchases			
-Berry Point Road		9,700.00	
-Bramley Road		1.00	
-Dickinson Road		3,250.00	
-Island Highway 19		240.27	
-Nanaimo Bypass		75,450.00	
-North Road		1,200.00	
-Trans Canada Highway, Stewart Avenue		38,000.00	
-Ware Road		76,650.00	204,491.27
Total, Nanaimo Electoral District			$8,167,886.65

NELSON-CRESTON ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			7,534,392.45
Snow removal			2,844,409.86
Bridge maintenance			841,023.53

NELSON-CRESTON ELECTORAL DISTRICT (continued)

	$	$	$
Ferry maintenance and operations-			
Glade Ferry		162,626.55	
Harrop Ferry		201,052.63	
Kootenay Lake Ferry		1,777,291.31	
Sunshine Bay Dry Dock		4,490.86	2,145,461.35
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0131 Minor betterments, miscellaneous		230,489.18	
C-0134 Minor betterments, miscellaneous		180,131.93	
C-0139 Minor betterments, miscellaneous		187,917.30	
C-1866 Hwy.3A, Nelson-Balfour, widen and realign		313,330.00	
C-1867 Nelson area roads, widen and realign		51,846.01	
C-1868 Winlaw area roads, widen and realign		26,260.00	
C-1869 Salmo area roads, widen and realign		19,972.08	
C-1870 Nelson area roads, sealcoat		29,999.00	
C-1930 Area "A" miscellaneous roads, reconstruct and gravel		180,000.00	
C-1931 Area "B" miscellaneous roads, reconstruct and gravel		20,000.00	
C-3149 Hwy. 31, Lost Ledge,realignment		149,881.39	
C-3150 Hwy. 6, Hills-Summit Lake, reconstruct and gravel		329,954.47	
C-3161 Area A, miscellaneous roads, sealcoat		109,999.99	
C-3162 Hwy. 3, Salmo-Creston, construct 3rd lane		39,998.80	
C-3566 Falls Creek, culvert repairs		33,556.52	
C-3635 Davis Creek Bridge		19,475.05	
W-0623Fencing Schedule 2,Highways		2,840.18	
W-0794Fencing Schedule 2,Highways		8,818.65	1,934,470.55
Bridges:			
Day Labour:			
B-2243 Campbell Bridge, asphalt surfacing		14,995.45	
B-3287 Nicks Island South Bridge redecking		65,000.00	
B-3288 Boulder Creek, deck construction		7,995.93	
B-3289 Goat Creek Bridge,reconstruct		58,268.34	
B-3290 Tenderfoot Bridge, abutment construction		74.50	
B-3298 Wild Horse Bridge, reconstruction		70,074.38	
B-3299 Pass Creek Bridge 8,replace with culvert		75,234.64	
B-3301 Davis Creek Bridge, reconstruction		120,751.11	
B-3302 Lardeau River Bridge,repair pier		28,562.00	
B-3303 Cooper Creek Bridge, install bailey bridge		16,295.59	
B-3304 Lost Ledge Bridge,reconstruct		104,601.60	
B-3801 Leadville Bridge,reconstruct		14,999.87	576,853.41
Ferry Landings:			
Bridge Branch:			
B-2436 Balfour and Kootenay Bay Ferry Terminals, new steel loading ramps			54,375.89
Paving Branch:			
S-0086 Paving generally		877.11	
S-0087 Surveys and investigations		246,950.16	247,827.27

NELSON-CRESTON ELECTORAL DISTRICT (continued)

	$	$	$
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Day Labour:			
D-1554 Roadside development projects - general		97,384.15	
N-0381 Guardrail installation		50,000.00	
N-0384 Guardrail installation		65,027.66	
N-0389 Guardrail installation		29,998.87	242,410.68
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0204 School route improvements			
-Erickson School area, widen shoulder and include sealcoat		5,000.76	
-Hwy.3a, shouldering (Stage 2) from Nelson to Mile Six on North Shore		9,994.35	
-widen existing roadway in vicinity of Canyon Street		10,000.00	24,995.11
Land Survey Branch:			
L-0099 Legal Surveys			
-1) Lakeview Rd. 198-Hwy. 3A to E.Bdy., S.L.72A, D.L.4595, K.D. 4.5 km+- 2) Foster Road 395 and Vincent Road 1.0 km+-		19,800.00	
-Legal survey for plan of statutory right of way for highway - Southern Trans Provincial Highway 3A through part of District Lot 1313 K.D. 0.34+-		2,000.00	
-Muzzy Road through parts of lots 1,2 and 3.Plan 1497 and lots 2,3 and 4.Plan 142 lot 812,K.D. 0.4 km+-		1,695.00	
-Plan of subdivision of part of blks.90 and 91, plan 730-C D.L.812, Kootenay District, Husband Gravel Pit		1,996.22	
-Subdivision plan to consolidate explanatory plan 15732 with lot 3, plan 1933, D.L.206, Kootenay District (South Trans Provincial Highway Salmo-Creston Section)		900.00	
-Southern Trans Provincial Highway 3 - Creston Bypass Helen Road to Haskins East Road 4.9 km +-		508.00	
-Subdivision of closed road within areas hachured and numbered 1 and 2 within block 2, plan 1933 and 3 with plan 8965, plan 14948, D.L.206, K.D.		900.00	
-Vernon Slocan Highway 6, right-of-way through part of District Lot 11909. Kootenay District 0.8 km +-		1,000.00	28,799.22
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Creston Bypass revisions		60.00	
-Creston grid roads		24.25	
-Erie overhead approaches, Highway 3 approximately 7 km west of Salmo		23,432.62	
-Highway 6, Passmore-Winlaw		871.00	
-Junction of Highway 3 and Summit Creek Road		9,757.08	
-Kootenay Bay Ferry approach		16,673.43	
-Minor road surveys		1,787.45	
-Salmo, curb and gutter		68.00	
-Salmo curb and gutter (4th Street)		19,077.48	
-6 Vernon Slocan Highway		2,765.00	
-Wildlife reflector study		1,273.73	75,790.04

NELSON-CRESTON ELECTORAL DISTRICT (continued)

	$	$	$
Property Services Branch:			
P-2803 Rights-of-way and property purchases			
-Arrow Creek West Road 7		1,180.00	
-Beam Road 25		525.00	
-Blewett Road 30		750.00	
-Cameron Road 47		1.00	
-Castlegar-Nelson-Creston Highway, Castlegar to Nelson Section		5,420.00	
-Connel Road 61		3,750.00	
-Creston Bypass		84,995.50	
-Fern Road 77		1,645.00	
-Haskins East Road 141		250.00	
-Jones Road 169		13,121.80	
-Kootenay Bay-Creston Highway 3A		351.00	
-Leadville Road 192		470.00	
-Leveque Road 193		550.00	
-Mehrer Road 380 Extension		5,655.00	
-Nelson-Balfour Highway 3A		40,545.15	
-Nelson-Ymir-Salmo Highway 6		3,260.00	
-Power Road 262		2,115.00	
-Rosebud Lake Road 288		2,500.00	
-Slocan River Road 144		6,160.00	
-Tarry's Road 414		5,970.00	
-Wills Road 481		6,000.00	185,214.45
Municipal Programs Branch:			
Amalgamation Grants:			
O-0925 Town of Creston, restructure grant			31,930.12
Total, Nelson-Creston Electoral District			$16,768,453.93

NEW WESTMINSTER ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			45,956.49
Snow removal			3,807.66
Bridge maintenance			24,269.33
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0122 Minor betterments, miscellaneous			9,130.09
Paving Branch:			
S-0084 Miscellaneous surface seals, Marine Way, Greenwall-Queensborough Bridge		24,455.54	
S-2979 Highway 1A, Pattullo Bridge Deck, resurfacing (1.10 km)		176,363.15	
S-3412 Marine Way, Greenall to Byrne (2.3 km), resurfacing		107,734.77	308,553.46
HIGHWAY CAPITAL CONSTRUCTION			
Bridges:			
Bridge Branch:			
B-1420 Pattullo Bridge, south approach, falsework for bearing replacement			553,402.42

NEW WESTMINSTER ELECTORAL DISTRICT (continued)

		$	$	$
Planning and Engineering Services:				
Traffic Branch:				
E-2707	Marine Way, Queensborough Bridge to Fifth Avenue, Burnaby,signal and lighting installation			262,003.98
Lands Survey Branch:				
L-0099	Legal Surveys -1. In Part Lot 17, Plan 5411, D.L.317 2. In Lot 5, Plan 43539, D.L. 330 3. In Lot 6, Plan 33170, D.L. 330 all in Group 1, N.W.D. - Glover Road		1,200.00	
	-Highway 10 widening at 180th St. in Lot B, Plan 11286, N.E. 1/4, Sec. 5, TP8, NWD		800.00	2,000.00
Highways Design and Surveys Branch:				
L-0101	Surveys generally Marine Way - Boundary Road to Byrne			1,976.22
ECONOMIC RENEWAL - SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS				
Fraser River Crossing (Annacis Island):				
Roads:				
Construction Branch:				
C-1121	Fraser River Crossing (Annacis Island),Marine Way, Byrne Road to North End of Queensborough Bridge, grade construction		61,752.05	
C-1593	Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge,pier protection works and dredging		535.50	
C-1775	Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge,ditching and grading Sta.181+30-Sta.192+00		456,644.44	
C-2342	Fraser River Crossing (Annacis Island),sewer line relocation		187,013.32	
C-2359	Fraser River Crossing (Annacis Island),Queensborough, B.C.H. relocation		220,986.66	
C-2380	Fraser River Crossing (Annacis Island),Marine Way, Queensborough Bridge to Sixth Avenue and Fifth Street intersection		2,758,280.19	
C-2413	Fraser River Crossing (Annacis Is.),Highway 99 to Queensborough Bridge,Queensborough Loop Road,preliminary grading		510,476.73	
C-2597	Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge,Boundary Road overpass approaches,construction		10,063.39	
C-2616	Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge,(Queensborough Section)Ewen Avenue,paving		176,208.10	
C-2625	Fraser River Crossing (Annacis Island),Highway. 99 Queensborough Bridge,Gilley watermain relocation		53,887.62	

NEW WESTMINSTER ELECTORAL DISTRICT (continued)

	$	$	$
C-2656 Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge,Queensborough Connector(to Boundary Road) grade construction		1,736,677.85	
C-2681 Fraser River Crossing (Annacis Island),Marine Way,Greenall-Queensborough Bridge,gravelling and paving		95,935.22	
C-2877 Fraser River Crossing (Annacis Island),Cliveden Interchange, gravelling and paving		2,320,877.60	
C-2934 Fraser River Crossing (Annacis Island) guardrail purchase		59,226.37	
C-2957 Fraser River Crossing (Annacis Island),Queensborough area, wick drain construction		122,371.65	
C-2964 Fraser River Crossing (Annacis Island),Loop Road and Queensborough Connector, surcharge removal,gravel and paving		3,056,431.11	
C-2999 Fraser River Crossing (Annacis Island),Richmond East/West Freeway Jacombs Road approach fills and preload .415 km		827,162.15	
C-3087 Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge,5th Ave. extension to 18th St., grading and paving		544,844.41	13,199,374.36
Roadside Development Branch:			
D-3682 Fraser River Crossing (Annacis Island),including connectors,roadside development			6,400.31
Bridges:			
Bridge Branch:			
B-0894 Fraser River Crossing (Annacis Island),moveable bridge		8,841,034.20	
B-0895 Fraser River Crossing (Annacis Island),main span		11,299,839.61	
B-2444 Fraser River Crossing (Annacis Island), insurance premiums		449,882.00	
B-2450 Fraser River Crossing (Annacis Island), Annacis Channel East Bridge,pile driving and load test		51,007.39	
B-2455 Fraser River Crossing (Annacis Island), Annacis Bridge north approach N15 - 20		1,719,667.58	
B-2599 Fraser River Crossing (Annacis Island), Annacis Channel East Bridge		13,369,718.15	
B-2637 Fraser River Crossing (Annacis Island) Annacis Bridge north approach N3 - N15		2,466,364.46	
B-2690 Fraser River Crossing (Annacis Island) modifications to Queensborough Bridge		1,809,889.38	
B-2791 Fraser River Crossing (Annacis Island) Cliveden Avenue underpass		892,627.26	
B-2924 Fraser River Crossing (Annacis Island) north approach N20 to north abutment and off-ramp		2,291,566.93	
B-2985 Fraser River Crossing (Annacis Island) various bridge projects, material testing		374.50	

NEW WESTMINSTER ELECTORAL DISTRICT (continued)

	$	$	$
B-3102 Fraser River Crossing (Annacis Island), Highway 10 underpass		1,470,654.13	
B-3346 Fraser River Crossing (Annacis Island), construction parapet railings on north and south approaches and sidewalks on north approach		389,002.60	
B-3407 Fraser River Crossing (Annacis Island), Boundary Road overpass		939,193.37	
B-3670 Fraser River Crossing (Annacis Island), Thompson pedestrian overpass		194,316.77	
B-3685 Fraser River Crossing (Annacis Island), Annacis Channel gas pipeline relocation		228,452.94	46,413,591.27
Planning and Engineering Services:			
Traffic Branch:			
E-2858 Fraser River Crossing (Annacis Island), Annacis Loop Rd. (Gifford Jardine Connector), Ewen Ave. at Pembina St., New Westminster, conduit, junction box and pedestal installation		91,777.55	
E-3609 Fraser River Crossing (Annacis Island), Cliveden Interchange, lighting, signing, and deck heating installation		118,976.37	210,753.92
Geotechnical and Materials Engineering Branch:			
G-0038 Fraser River Crossing (Annacis Island), geotechnical and materials engineering			219,532.13
Highway Design and Surveys Branch:			
L-0558 Fraser River Crossing (Annacis Island), general expenses		584,809.50	
-Belgrave Way to Carter (Annacis Truck Route)		33,110.01	617,919.51
Property Services Branch:			
P-0599 Rights-of-way and property purchases -Fraser River Crossing (Annacis Island)			1,485,609.36
Total, New Westminster Electoral District			$83,364,290.51

NORTH ISLAND ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			3,232,285.36
Snow removal			573,612.53
Bridge maintenance			216,267.33
Ferry maintenance and operations-			
Alert Bay Ferry		849,901.11	
Cortes Island Ferry		630,827.62	
Quadra Island Ferry		1,034,705.16	2,515,433.89

NORTH ISLAND ELECTORAL DISTRICT (continued)

	$	$	$
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Construction Branch:			
C-2993 Zeballos-Fairharbour, Forest Roads		33,343.41	
C-4551 Head Bay Forest Road, Gold River to Tahsis		556,273.54	589,616.95
Day Labour			
C-0122 Minor betterments, miscellaneous		2,198.50	
C-0155 Minor betterments,			
-miscellaneous	83,613.08		
-various roads, Sointula,	59,928.06	143,541.14	
C-3219 Island Highway 19, base repair and pave		57,989.30	
C-3220 Homewood Road, repave		39,063.74	
C-3221 Douglas Street between Market Street and Rupert Street, construct and pave		39,749.05	
C-3222 Holberg Road, regravel		39,968.67	
C-3223 Highway 28, Gold River, major pavement patch		50,000.00	
C-3224 Campbell River area, various roads, major paving		40,000.00	
C-3440 Various roads (Holberg Road, Smiths Road, Clarkson Drive, Denman Road, Central Road), paving and rock work		219,750.71	
C-3441 Campbell Way, Port McNeill, paving		168,506.20	800,767.31
Bridges:			
Bridge Branch:			
B-3004 Conuma River Bridge, Head Bay Forest Road superstructure replacement			213,598.01
Day Labour:			
B-3265 Lupin Creek Bridge, replace with multiplate		95,271.08	
B-3266 Western Mines Road, improvements to various old log crib structures		79,424.87	174,695.95
Paving Branch:			
S-0084 Miscellaneous surface seals,			
-Big Tree Creek Bridge to Sayward Junction	1,945.42		
-Highway 19 Campbell River North to Amor De Cosmos Bridge	467,322.51		
-Highway 19, Courtney North	115,816.19		
-Highway 19, Sayward to Rooney overpass	197,915.07	782,999.19	
S-0087 Surveys and investigations		37,506.78	820,505.97
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Day Labour:			
C-3832 504R Market Street, Stink Creek storm sewer Port Hardy		152,561.00	
N-0398 Guardrail installation		44,316.00	196,877.00
Bridges:			
Bridge Branch:			
B-2420 Buttle Narrows Bridge Highway 28		539.01	
B-3644 Sachts and Hammond Bridges, Saywood Road		2,475.95	3,014.96

NORTH ISLAND ELECTORAL DISTRICT (continued)

	$	$	$
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0202 Roadside hazard elimination Highway 19, removal of large tree		2,499.00	
C-0204 School route improvements,			
-Evergreen School, Campbell River, pave shoulder for school children	7,735.09		
-Royston School, pave shoulder for school children	11,712.08	19,447.17	
C-0205 General safety works Little River Road and Ryan Road		15,000.00	36,946.17
Lands Survey Branch:			
L-0099 Legal Surveys			
-Official plan for foreshore Lot 1561 Sayward District Campbell River ferry landing breakwater		800.00	
-Thru S.W.1/4 of section 33 and the N.E.1/4 and S.E.1/4 of Section 32, TP.4, Comox District York Road		1,500.00	2,300.00
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Highway 19 (Port McNeill-Port Hardy)Keogh Bridge Site Plan		3,347.87	
-Island Highway North of			
-Minor road surveys		50,932.40	
-Mud Bay - Menzies Bay		6,417.44	
Campbell River		8,574.44	
-Sachts Bridge - Sayward, Courtenay		21,009.20	
-Willow Point - Campbell River		16,201.58	106,482.93
Property Services Branch:			
P-2803 Rights-of-way and property purchases Lower Six Mile Road 48		3,000.00	
P-2806 Rights-of-way and property purchases			
-Gravel Pits etc.	61.00		
-Quathiaski Cove ferry approaches	35,100.00	35,161.00	38,161.00
Total, North Island Electoral District			$9,520,565.36

NORTH PEACE RIVER ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			4,780,910.94
Snow removal			1,919,414.07
Bridge maintenance			455,937.06
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0143 Minor betterments, miscellaneous		455,080.65	
C-1983 Fort St. John miscellaneous roads, regravelling		1,369,672.23	
C-1984 Fort St. John miscellaneous farm access roads		21,662.00	

NORTH PEACE RIVER ELECTORAL DISTRICT (continued)

	$	$	$
C-3182 Road 101,Fish Creek Crossing, replace bridge with fill, install a multiplate culvert and slide repair		645,737.25	
C-3183 Fort St. John major roads, slide repairs		272,539.66	
C-3184 Fort St. John, miscellaneous school bus routes, reconstruction		128,522.47	
C-3185 Liard Highway, gravelling and slide repair		51,047.66	
C-3186 Landscape and reclamation of depleted gravel pits		15,082.00	
C-3500 Miscellaneous routes, Fort St. John area, pavement preparation and various improvements		1,159,163.15	
C-3501 Cameron Hill, Mile 95 road reconstruct		144,649.63	
C-3502 Mile 81.5 to Buick Connection, reconstruction		150,418.46	
C-3504 Montney Road, improve vertical and horizontal alignment in several locations		147,905.45	
C-3571 North Beatton River, slide repairs		821,679.42	
C-3578 Fort Nelson area, major pavement patching		126,108.00	
W-0359Fencing Schedule 2,Highways		23,901.50	5,533,149.53
Bridges:			
Day Labour:			
B-2269 Hudson's Hope Bridge, major repairs		38,000.00	
B-3327 Siphon Creek Bridge, reconstruction		132,000.00	170,000.00
Paving Branch:			
S-0084 Miscellaneous surface seals Crushed granular aggregate in stockpile miscellaneous pits Fort St. John Highway District		267.63	
S-3420 Alaska Highway 97, Road 269 to Highway 29 (8.70 km) and miscellaneous Fort St. John area roads (26.30 km) total length 35.0 km		12,527.17	12,794.80
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Day Labour:			
N-0432 Guardrail installation			28,634.90
Bridges:			
Bridge Branch:			
B-2302 Clayhurst Bridge, Clayhurst-Rolla Road			1,165,027.82
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0202 Roadside hazard elimination, Road 103, relocate 32 poles to prepare for shoulder widening from Road 146 to Road 259			13,000.00
Lands Survey Branch:			
L-0099 Legal Surveys,			
-Alaska Highway km 198 to Lot 1707, P.R.D., 16.9 km+		2,485.00	
-Alaska Highway, Lot 1707 to Lot 537, P.R.D.-km 214 to km 232, 18.1 km+-		12,256.00	

NORTH PEACE RIVER ELECTORAL DISTRICT (continued)

	$	$	$
-Alaska Highway mile 154 to mile 163, Sikanni Chief River section		5,010.00	
-Alaska Highway, - Sikanni Chief to Bucking-Horse River Section 21. km+-		10,442.00	
-1)Lower post to Yukon Boundary 10.4 km+- 2)Road within D.L.5463 Cassiar District Liard I.R.#3 0.7 km		8,734.00	38,927.00
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Beatton River Crossing		7,354.20	
-Desan Lake Access Road Kotcho Lake to South Helmet		1,059.73	
-Minor road surveys		22,372.30	30,786.23
Property Services Branch:			
P-2804 Rights-of-way and property purchases			
-Road 101		1,981.50	
-Road 115		1,838.80	
-Road 121		367.87	
-Road 254		367.86	
-Road 273		250.00	
-Road 274		1.00	
-Road 288A		1,338.10	
-Road 715R		201.00	
-Todd Road 141		995.00	7,341.13
Municipal Programs Branch:			
Secondary Highway Construction and Improvements			
V-3731 161B, Taylor-Peaceview Road Village of Taylor			1,857.50
Total, North Peace River Electoral District			$14,157,780.98

NORTH VANCOUVER-CAPILANO ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			145,568.85
Snow removal			17,331.47
Bridge maintenance			338,751.45
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0117 Minor betterments, miscellaneous		10,149.51	
C-0122 Minor betterments, miscellaneous		6,139.13	
C-3442 Lion's Gate Bridge, north approaches, remove old toll booth fittings, relocate bridge sign, install standard barriers and repave		86,302.24	
W-2238Fencing Schedule 2,Highways		1,194.88	103,785.76
Bridges:			
Day Labour:			
B-3282 Miscellaneous bridges, galvanize bridge railings			17,234.18

NORTH VANCOUVER-CAPILANO ELECTORAL DISTRICT (continued)

	$	$	$
HIGHWAY CAPITAL CONSTRUCTION			
Bridges:			
Bridge Branch:			
B-1172 Lions Gate Bridge,major repairs to north cable bent		58,706.44	
B-2947 Lion's Gate Bridge,Highway 99, installation of hand strands on main cables and installation of ornamental lighting		513,353.58	
B-2963 Lion's Gate Bridge, Highway 99, protection berm around north pier		16,250.69	
B-3607 Lonsdale underpass Trans-Canada Highway 1		55,478.21	643,788.92
Planning and Engineering Services:			
Traffic Branch:			
E-2932 Route 1A and 99, Lion's Gate Bridge, decorative lighting			7,995.13
Highway Design and Surveys Branch:			
L-0101 Surveys generally Upper levels control line			270,033.84
Property Services Branch:			
P-2801 Rights-of-way and property purchases -Lions Gate Bridge			1,561.73
Total, North Vancouver-Capilano Electoral District			$1,546,051.33

NORTH VANCOUVER-SEYMOUR ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			238,649.76
Snow removal			43,328.68
Bridge maintenance			35,193.74
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0117 Minor betterments, miscellaneous		30,448.51	
C-0122 Minor betterments, miscellaneous		7,553.19	
C-3250 Mount Seymour Parkway, westbound on-ramp, reconstruction and improvements		39,063.30	
W-2238Fencing Schedule 2,Highways		5,675.71	82,740.71
Bridges:			
Day Labour:			
B-3282 Miscellaneous bridges, galvanize bridge railings			17,234.18
Paving Branch:			
S-0086 Paving generally		1,406.28	
S-0087 Surveys and investigations		13,897.00	15,303.28

NORTH VANCOUVER-SEYMOUR ELECTORAL DISTRICT (continued)

	$	$	$
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-1725 Fern Street to Mount Seymour Parkway, construction			49,928.17
Bridges:			
Bridge Branch:			
B-3554 Second Narrows Bridge, Taylor Way to Cassiar Street removal, renovation and replacement of north and south wing anchor			1,828.54
Planning and Engineering Services:			
Traffic Branch:			
E-2308 Route 1-Mount Seymour Parkway (Fern Street to Riverside Drive), signal and lighting installation			28,307.01
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Dollarton Highway, widening through the Dollarton I.R.3		120,404.92	
-Mapping and design study, North Shore transportation study, Mountain Highway Interchange and Keith Road to Mount Seymour connection		2,218.89	
-Seymour River, North Vancouver		111.38	122,735.19
Property Services Branch:			
P-2801 Rights-of-way and property purchases			
-Fern Street-Mount Seymour Parkway extension		15,686.00	
-Lonsdale Interchange, Capilano-Lynn Creek		124,550.00	140,236.00
Municipal Programs Branch:			
Secondary Highway Construction and Improvements:			
V-3841 297B, Mount Seymour Parkway, Berkley Road to Tollcross Road, District of North Vancouver			131,600.00
Total, North Vancouver-Seymour Electoral District			$907,085.26

OAK BAY-GORDON HEAD ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			3,086.16
Total, Oak Bay-Gordon Head Electoral District			$3,086.16

OKANAGAN NORTH ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			3,165,345.72
Snow removal			1,347,191.43
Bridge maintenance			76,634.68
Ferry maintenance and operations–			
Arrow Park Ferry		136,029.85	
Needles–Fauquier Ferry		1,088,292.80	1,224,322.65
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0125 Minor betterments,			
-Gravel pave ditch, Lumby-Mable Lake Road, Lumby area	67,847.58		
-Miscellaneous	118,449.90		
-Road widen, gravel and paving in Vernon Area Road	53,151.40	239,448.88	
C-0130 Minor betterments,miscellaneous		43,636.08	
C-0134 Minor betterments, miscellaneous		39,541.16	
C-0466 Lumby-Mabel Lake Rd., gravel and pave		74,796.31	
C-1471 Bottom Wood Lake Road, gravel and pave		398,969.06	
C-2130 North Fork Road, gravel		19,995.09	
C-3126 Hartnell Road,reconstruct and gravel		89,500.00	
C-3127 Vernon-Slocan Highway 6, eliminate Hickman Creek slide		99,940.73	
C-3470 Bella Vista Road, reconstruct, realign, gravel and pave (2 km)		96,455.45	
C-3471 Silver Star Road, Repeater Station Road to Postill Road, paving (1 km)		47,539.67	
C-3472 Okanagan Landing Road, shoulder widening (3 km)		18,715.57	
C-3473 Lakeshore Road, shoulder widening (1 km)		6,102.57	
C-3474 Tronson Road, paving (1 km)		30,199.26	
C-3475 Heckman Creek, Cherryville area, paving		17,115.90	
C-3491 Rollings Lake Road, reconstruct and gravel		90,065.97	
C-3492 Creighton Valley Road, gravel		19,635.18	
W-0346Fencing Schedule 2,Highways		18,387.92	1,350,044.80
Bridges:			
Day Labour:			
B-3309 Lumby Bridge, reconstruction			171,144.51
Paving Branch:			
S-0086 Paving generally		8,659.36	
S-3096 Highway 97, from Oyama northerly to approximately 1 km south of Bailey Road		116,777.08	125,436.44
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-2819 Okanagan Highway 97,Bailey Road to Vernon, new construction and upgrading of existing highway to 4 lanes,including construction of local roads, paving and electrical		5,445,675.54	

OKANAGAN NORTH ELECTORAL DISTRICT (continued)

	$	$	$
C-3619 Okanagan Highway 97, Oyama to Bailey Road, reconstruction		182,780.78	5,628,456.32
Day Labour:			
D-1553 Roadside development projects-general		15,636.91	
N-0384 Guardrail installation		39,855.67	55,492.58
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0202 Roadside hazard elimination, Lumby-Mabel Lake Road: move 3 utility poles and 1 B.C. Tel. pedestal		1,700.00	
C-0205 General Safety Works,			
-Cherryville area: 450mm guardrail to control rock fall locations at Shuswap Hill, Harrison Hill,Kohlman Hill and Cedar Gulch	2,362.00		
-Lumby-Mabel Lake Road at Rolling Lake Road: build up bus-stopping zone at Hill Crest	2,500.00		
-Trinity Valley Road-Derby Hill slide area, Lumby: 450mm no post guardrail,rock fall and hazardous slope	7,530.00	12,392.00	14,092.00
Traffic Branch:			
E-3994 Route 97,Bailey Road to 15 Avenue,Vernon,signals and lighting installation			151.75
Geotechnical and Materials Engineering Branch:			
G-3398 Highway 97,Osoyoos to Sicamous,4 laning, Geotechnical Investigations			25,798.66
Lands Survey Branch:			
L-0099 Legal Surveys			
-Bench Row Road widening in part of Section 19, Township 9, ODYD		1,500.00	
-49 Granview Bench Road-Highway 97A to Highway 97B 10.6 km+-		11,886.99	
-Survey for plan of right-of-way over part of Lot 3, Plan 3570 and Lot B, Plan 22191 in south east 1/4 of Section 10, Township 20 ODYD		750.00	
-Through parts of Sections 12 and 13, TP.4, and D.L.4763, ODYD 1.3 km+- Finlaison Road 162		4,022.00	
-Westside Road in parts of D.L.'s 3541 and 4501,ODYD (2.5 km)		4,321.50	22,480.49
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Highway 6 in Vernon 27th Street to 32nd Avenue		113,532.75	
-Highway 97 to Crosier Road, Swan Lake Junction		1,437.70	
-Intersection of 32nd and 48th at Vernon to Swan Lake		159,155.83	
-Okanagan Highway from Oyama to Vernon		123,015.48	

OKANAGAN NORTH ELECTORAL DISTRICT (continued)

	$	$	$
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Okanagan Highway 97 (Vaseaux Lake)		3,435.08	
-Westside Road from I.R.10 to Ceasar's Landing		104,569.38	505,146.22
Property Services Branch:			
P-2802 Rights-of-way and property purchases			
-Bella Vista Road 4	1,725.00		
-Dixon Dam Road	1.00		
-Gravel Pits, etc.	213,690.57		
-Hare Road	10,068.05		
-North Fork Road 94	1.00		
-Mutrie Road	1.00		
-Okanagan Highway 97	78,552.00		
-Okanagan Highway 97 Bailey Road to Vernon	262,356.90		
-Okanagan Highway 97, Oyama to Bailey Road	1,532.00		
-Okanagan Highway 97, Oyama to Bailey Road	90,118.60		
-Okanagan Highway - Winfield	457,500.00		
-Oyama Road	50.00		
-43 Twenty Fifth Avenue	997.68		
-Vernon-Slocan Highway 6	6,420.73		
-Westside Road	1.00		
-Westside Road	175.00		
-Westside Road, Ceasar's Landing to Nahun	1,188.60		
-Bottom Wood Lake Road	2,150.00	1,126,529.13	
P-2803 Rights-of-way and Property purchases,			
-Townsite Road 269		529.00	1,127,058.13
Municipal Programs Branch:			
Secondary Highway Construction and Improvements:			
V-0674 279B,Shuswap Avenue,Village of Lumby		13,108.71	
V-1151 251B,27th Street,City of Vernon		6,199.00	19,307.71
Total, Okanagan North Electoral District			$14,858,104.09

OKANAGAN SOUTH ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			2,232,382.23
Snow removal			836,554.07
Bridge maintenance			136,974.75
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0130 Minor betterments,miscellaneous		205,346.23	
C-1472 Glenrose Road,Webber and Fenton Roads,reconstruction and improvements		313,927.65	
C-2566 Kelowna area,miscellaneous paving		207,813.41	
C-3133 Highway 97 intersection at Buchanan,Houston and Walker, Peachland intersection improvements		39,781.50	

OKANAGAN SOUTH ELECTORAL DISTRICT (continued)

	$	$	$
C-3137 K.L.O. Road, reconstruct, gravel and pave		100,000.00	
C-3138 Clifton Road, reconstruct, gravel and pave		40,997.18	
C-3139 K.L.O. Road and Benvoulin Road, intersection improvements and reconstruction		57,116.18	964,982.15
Bridges:			
Day Labour:			
B-2396 Mission Creek Bridge, redecking		7,489.60	
B-3336 McDougal Creek, redecking and caps		10,000.00	
B-3337 Okanagan Lake Bridge, remove fender piles		7,972.88	
B-3585 McDougal Creek Bridge, redeck		5,816.60	
B-3586 Hallam Creek Bridge, redeck		2,497.75	33,776.83
Paving Branch:			
S-0086 Paving generally		739.22	
S-0087 Surveys and investigations		1,657.86	
S-2785 Highway 33, Rutland Road, Kelowna, curb and gutter		4,002,465.34	
S-2912 Okanagan Highway 97 (Harvey Avenue), Pandosy Street to Princess Street, upgrade existing highway to six lane, curb and gutter		1,757,642.79	5,762,505.21
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-2431 Okanagan Highway 97, Gorman's Mill to I.R.9 including Westbank Couplet; grading, paving and electrical		1,257,919.34	
C-3432 Okanagan Highway 97, Westbank to North Boundary Indian Reserve 9, reconstruction		782,122.78	
C-3433 East Boundary Road and Lower Boucherie Road, Westbank-Kelowna, Section 1, Part 2, reconstruction		425,680.52	2,465,722.64
Roadside Development Branch:			
D-3095 Highway 97, (Okanagan Highway) Westbank couplet, landscape development		129,774.38	
D-3108 Highway 33, Rutland, landscape development		1,034.77	
D-3109 Highway 97 (Harvey Avenue) Pandosy Street to Princess Street, Kelowna, landscape development		58,477.07	
D-3598 Highway 33 and Rutland Road, landscape development, Rutland		32,930.96	222,217.18
Day Labour:			
D-1553 Roadside development projects, general		6,438.73	
N-0376 Guardrail installation		20,499.84	26,938.57
Bridges:			
Bridge Branch:			
B-0688 Okanagan Lake Bridge, Okanagan Highway 97 widen to 4 lanes		102,285.98	
B-0692 Okanagan Lake Bridge, Kelowna		46,673.21	

OKANAGAN SOUTH ELECTORAL DISTRICT (continued)

	$	$	$
Bridges:			
Bridge Branch:			
B-3540 Okanagan lift span, Highway 97, identification of electrical malfunction		2,393.24	
B-3611 Okanagan Lake Bridge, Highway 97, loadcell pin replacement		1,482.12	152,834.55
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0204 School route improvements, Davidson Road, Winfield: school children walkalong shoulder widening			18,000.00
Traffic Branch:			
E-2439 Route 97, Okanagan Lake Bridge,Kelowna,reversible lane control		93,639.65	
E-2712 Route 97-Gorman's Mill Road to Gellatly Road, Westbank, signal and lighting installation		16,203.64	
E-2987 1. Route 33 - Route 97 to Muir Road 2. Rutland Road-Robson Road to Leathead/Bach Road, Kelowna,signal and lighting installation		271,888.38	
E-2988 Route 97-Pandosy Street to Princess Street,Kelowna, signal and lighting replacement		187,079.54	
E-3758 Expo 86 special community event information signing,various routes		3,222.33	572,033.54
Geotechnical and Materials Engineering Branch:			
G-3398 Highway 97,Osoyoos to Sicamous, 4 laning Geotechnical Investigations			25,798.63
Lands Survey Branch:			
L-0099 Legal surveys			
-Bottom Wood Lake Road,through District Lots 118 and 169 and Section 10 TP.20 ODYD		4,040.00	
-Kelowna Rock Creek Highway 33-LTO		250.00	
-Okanagan Highway widenings in District Lots 2537,2536 and unsurveyed crown land,ODYD(2.4 km)		4,950.00	
-Over Lots 28 and 29, Plan 24396, D.L.3866,ODYD(drainage easement)-Scott Crescent		350.00	
-Plan of subdivision consolidating old road and dedicating new right-of-way-lot 8, Plan 1885, D.L.3188,ODYD, Gellatly Road		500.00	
-Proposed legal survey for Plan of Statutory right-of-way for Highway K.L.O. in part of Dist. Lot 131 ODYD		750.00	10,840.00
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Harvey Avenue (Kelowna)	102.00		
-Highway 33 Rutland from Highway 97 to McKenzie Road	5,783.63		
-Highway 97: Beaver Lake Road-Pretty Road,Winfield	238,060.03		
-Highway 97,Kelowna Glenmore Street to Reid's Corner	22,251.32		
-Kelowna couplet	11,593.13		
-Minor road surveys	378.25		

OKANAGAN SOUTH ELECTORAL DISTRICT (continued)

	$	$	$
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Peachland to Powers Creek (Gorman's Mill)	248.50		
-Westbank,Kelowna Impact Study	52,909.10		
-Winfield Grid Road system	96.02	331,421.98	
L-3135 Coquihalla Highway,Merritt-Peachland Section,			
-Brenda Mine to Silver Creek	272,104.02		
-Cousins Road to Sawmill (Seclusion Bay)	180,952.40		
-General expenses	158,576.60		
-Powerline crossing to Brenda Mine	5,149.00		
-Silver Creek to Cousins Road	254,018.93	870,800.95	1,202,222.93
Property Services Branch:			
P-2802 Rights-of-way and property purchases			
-Clifton Road		3,854.24	
-Gellatly Road		15,800.00	
-Glenrosa Road		5,691.00	
-gravel pits etc.		6,031.28	
-Highway 33, Rutland		14,093.01	
-Lakeshore Road		18.75	
-Okanagan Highway,-Harvey Avenue		489,864.12	
-Okanagan Highway 97 and 2nd Street, Winfield		1,134.55 CR	
-Okanagan Highway 97, Gorman's Mill-I.R.9		127,091.11	
-Okanagan Highway 97, Westbank-Kelowna		152,301.00	813,609.96

ECONOMIC RENEWAL - SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS

Coquihalla Highway Construction

Roads:			
Construction Branch:			
C-3736 Coquihalla Highway,Merritt-Peachland Section,Cousins Road to Gorman's Mill,clearing, grubbing and grading			234.35
Day Labour:			
C-3533 Coquihalla Highway,Merritt-Peachland Section,Tote Road construction			175,058.04
Planning and Engineering Services:			
Geotechnical and Materials Engineering Branch:			
G-3397 Coquihalla Highway,Merritt-Peachland Section,Geotechnical and Materials Engineering			6,413.12
Highway Design and Surveys Branch:			
L-3135 Coquihalla Highway,Merritt-Peachland			
-Brenda Mine to Silver Creek		213,201.48	
-Cousins Road to sawmill (Seclusion Bay)		89,203.77	
-General expenses		18,031.37	
-Powerline crossing to Brenda Mine		144,577.13	
-Silver Creek to Cousins Road		80,829.89	545,843.64
Property Services Branch:			
P-3227 Rights-of-way and property purchases			
-Coquihalla Highway,Merritt-Kamloops Section,Phase IV		90,000.00	
-Coquihalla Highway,Merritt-Peachland Section		875.00	

OKANAGAN SOUTH ELECTORAL DISTRICT (continued)

	$	$	$
Property Services Branch:			
P-3227 Rights-of-way and property purchases -Coquihalla Highway, Okanagan Connector, Cousins Road to Gorman's Mill		682.50	91,557.50
Total, Okanagan South Electoral District			$16,296,499.89

OMINECA ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance		5,751,113.02	
M-3626 Takla Landing-access, maintenance and subsidy		16,718.91	5,767,831.93
Snow removal			2,503,156.33
Bridge maintenance			347,628.63
Ferry maintenance and operations-Francois Lake Ferry			1,578,727.11
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Construction Branch:			
C-3842 Leo Creek Forestry Road, Apollo Camp to Takla Narrows			13,981.01
Day Labour:			
C-0144 Minor betterments, miscellaneous		280,969.18	
C-0150 Minor betterments, miscellaneous		10,000.71	
C-0151 Minor betterments, miscellaneous		220,810.98	
C-0455 Miscellaneous farm roads, Vanderhoof various improvements		239,447.62	
C-3039 Tachie Road, reconstruction and gravel		793,588.11	
C-3187 Landscape and reclamation of depleted gravel pits		14,108.30	
C-3191 Francois Lake Road, reconstruction		168,988.77	
C-3206 Various roads, Burns Lake area gravel, ditch and graded aggregate seal		435,000.00	
C-3332 Stella Road, (East End), reconstruction through Indian Reserve		49,160.00	
C-3408 Highway 16, emergency patching		39,996.00	
C-3486 Various Roads (Woodmere Loop, Fisher Road, Tyee Lake Road, Telkwa High Road) prepare for graded aggregate sealcoat (11.5 km)		299,424.69	
C-3488 Colleymount Road, reconstruct		280,000.00	
C-3489 Highway 16 and 35, major patching		50,000.00	
C-3512 Fort Fraser Village Roads, reconstruct		49,307.75	
C-3516 Yellowhead Highway 16, Engen to Fraser Lake, reconstruction and shouldering		97,941.75	
C-3612 Highway 16, Vanderhoof to Engen, shouldering		208,666.88	
W-0360 Fencing Schedule 2, Highways		29,615.34	
W-0364 Fencing Schedule 2, Highways		15,000.00	3,282,026.08

OMINECA ELECTORAL DISTRICT (continued)

	$	$	$
Bridges:			
Day Labour:			
B-3324 Bulkley River Bridge, new approach span		49,500.00	
B-3328 Murray Bridge,replace with multi-plate		44,541.95	
B-3329 Starkey Bridge,replace with multi-plate		49,739.75	
B-3768 Omineca Road Bridge,repairs		184,039.36	
B-3772 Stellako Bridge,reconstruction		38,422.00	366,243.06
Ferries:			
Day Labour:			
H-3603 M.V. Jacob Henkle,conversion to a passenger/vessel barge			97,943.93
Paving Branch:			
S-0084 Miscellaneous surface seals, Highway 16 (W) Topley Junction eastward			198,256.19
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-2329 Highway 35,Burns Lake C.N.R. overpass			
-Approaches	32,671.23		
-North Francois Highway 35, Burns Lake Bridge to Yellowhead Highway 16	1,479.68	34,150.91	
C-2821 Vanderhoof,weigh scale station,construction		39,054.60	
C-3577 Fourth Street extension to Stewart Street, C.N.R. overpass approaches,grade construction, drainage and paving and electrical		152.04	73,357.55
Day Labour:			
N-0393 Guardrail installation		38,000.00	
N-0433 Guardrail installation		13,558.30	51,558.30
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0204 School route improvements, local road widening for two school bus pullouts			1,999.00
Traffic Branch:			
E-1761 1) Route 16 at New Route 27 (weigh scale) 2) New Route 27 at Braeside Road,Vanderhoof,lighting installations			7,967.60
Lands Surveys Branch:			
L-0099 Legal Surveys In Block C,Plan 1405, D.L.716,Range 4,Coast District			1,555.00
Highways Design and Surveys Branch:			
L-0101 Surveys generally			
-Canadian National Overhead Westside at Vanderhoof		24,142.80	
-D.L.338 to D.L.623 Highway 16 West of Houston		48,704.98	
-Vanderhoof Grid-Boundary Road extension, Victoria Street to 4th Street		13,650.05	

OMINECA ELECTORAL DISTRICT (continued)

	$	$	$
Highways Design and Surveys Branch:			
L-0101 Surveys generally			
-Vanderhoof-Stuart Lake(27),Nechako River Bridge approaches		26,302.26	112,880.09
Property Services Branch:			
P-2804 Rights-of-way and property purchases			
-Dog Creek Road 41	1,701.00		
-Engen Road 29	400.00		
-Fort Fraser Townsite, Road 47	1,209.47		
-Francois Lake Road 42	1,390.00		
-Giesbrecht Pit Road 214	400.00		
-Gravel Pits,etc.	1.00		
-Mooney Pit Road 80	20,604.50		
-Parker Road 208	1,830.00		
-Raphael Road 458	2,160.00		
-Rustler Road 698	1,880.80		
-Stella Road 37	1,155.00		
-Vanderhoof,C.N.R. overhead, Fourth Street extension to Stewart Street	30,076.40		
-Yellowhead Highway 16	3,829.95	66,638.12	
P-2805 Rights-of-way and property purchases			
-Aitken Road 241	2,300.00		
-Colleymount Road 21	23,398.60		
-East Tchesinkut Lake Road 92	2,373.50		
-8th Street,Yellowhead Highway 16	3,512.55		
-H. Kerr Road 1047	2,999.25		
-Kerr Road 1146	6,405.00		
-Tingagel Road 36	9,080.00	50,068.90	116,707.02
Municipal Programs Branch:			
Amalgamation Grants:			
O-2640 District of Vanderhoof, roads maintenance grant			82,500.00
Total, Omineca Electoral District			$14,604,318.83

PRINCE GEORGE NORTH ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			3,455,562.50
Snow removal			1,383,651.85
Bridge maintenance			291,052.66
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0140 Minor betterments			
-hand brushing	55,231.78		
-miscellaneous	104,460.60	159,692.38	
C-1987 Chief Lake and Ness Lake Roads, reconstruction		38,094.69	
C-1993 MacKenzie arterial,reconstruct and gravel		34,168.12	
C-3167 Prepare major routes for resurfacing; patch and crack seal		16,513.25	
C-3493 Salmon Valley overpass,approach fill		258,401.84	

PRINCE GEORGE NORTH ELECTORAL DISTRICT (continued)

	$	$	$
C-3532 John Hart Highway 97,Bear Lake to Red Rocky Section, reconstruction		901,999.14	
C-3615 Yellowhead Highway 16,Fraser River Bridge approaches, Prince George		745,049.66	
C-4181 Miscellaneous school bus and feeder routes,Prince George, reconstruct and gravel		35,205.81	2,189,124.89
Bridges:			
Day Labour:			
B-2262 Old Fraser River Bridge minor repairs		20,295.75	
B-3268 McPhee Bridge,reconstruction		47,488.35	67,784.10
Paving Branch:			
S-0084 Miscellaneous surface seals, Highway 97-Chief Lake Road to Summit		203,988.14	
S-0086 Paving generally		221,728.92	
S-0087 Surveys and investigations		59,855.62	485,572.68
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-0282 John Hart Highway 97, Garbitt Tunnel,reconstruction		1,408,971.72	
C-2135 John Hart Highway 97, Bear Lake-Red Rocky section, wick drain construction		307,203.96	
C-2792 John Hart Highway 97, Nechako River Bridge to Chief Lake Road,construction		87,713.33	1,803,889.01
Day Labour:			
D-0010 Roadside development projects-general			15,435.22
Planning and Engineering Services:			
Traffic Branch:			
E-2864 1. Route 39 at Mill Road, MacKenzie,lighting installation 2. Route 2 at 1st Street,Dawson Creek,signal and lighting installation			304.02
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Chief Lake Road to Parsnip River		75,411.40	
-Minor road surveys		3,672.48	
-Miscellaneous,from Prince George to Northwood Pulpmill Access Road		115.29	79,199.17
Property Services Branch:			
P-2804 Rights-of-way and property purchases			
-Foreman Road 161		1,222.00	
-Ness Lake Road		51,473.14	
-Prince George Pulp Mill Road		1,265.00	
-Upper Fraser Road 458		265.00	54,225.14
Total, Prince George North Electoral District			$9,825,801.24

PRINCE GEORGE SOUTH ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			4,660,529.84
Snow removal			2,982,951.26
Bridge maintenance			420,506.37
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0140 Minor betterments			
-gravelling	62,951.33		
-gravelling-pit preparation	72,659.65		
-miscellaneous	160,960.58	296,571.56	
C-0141 Minor betterments,miscellaneous		60,141.92	
C-0145 Minor betterments,miscellaneous		176,078.53	
C-1988 Longworth Access Road, construction		121,976.57	
C-2004 Upper Mud Road,reconstruct and gravel		201,880.00	
C-2007 Norman Lake Road,reconstruct		19,963.35	
C-2050 Highways 16 and 5,various sections,machine brushing		29,506.41	
C-2054 Mountain View Road,reconstruct, alignment and gravel		107,780.16	
C-2056 Blackman Road, gravelling		34,888.15	
C-2529 Highway 16,West District Boundary to West Twin Bridge, various improvement		296,207.34	
C-3166 Highway 16 East, Slim Creek to Crescent Spur,pavement preparation,ditching and widening		478,784.13	
C-3167 Prepare major routes,for resurfacing; patch and crack seal		16,513.25	
C-3176 Landscape and reclamation of depleted gravel pits		6,634.08	
C-3189 Landscape and reclamation of depleted gravel pits		5,321.00	
C-3499 Thorley Road,reconstruct		79,549.50	
C-3516 West Twin Bridge area, remove slide		67,423.97	
C-3517 Cedarside Road,raise road due to flooding		80,001.49	
C-3610 Highway 16,Bowron River to Driscoll Creek,improvements		541,971.90	
C-3615 Yellowhead Highway 16,Fraser River Bridge approaches, Prince George		745,049.63	
C-3616 Upper Fraser Road,gravel		95,571.49	
C-4180 Upper Fraser Road,Highway 16 to Willow River,ditching and widening		156,370.68	
C-4181 Miscellaneous school bus and feeder routes-Prince George, reconstruct and gravel		316,852.33	
W-0356Fencing Schedule 2,Highways		25,897.85	
W-0357Fencing Schedule 2,Highways		3,200.00	
W-0361Fencing Schedule 2,Highways		17,873.70	3,982,008.99
Bridges:			
Day Labour:			
B-2262 Old Fraser River Bridge, minor repairs		20,295.74	
B-3269 Read Bridge,reconstruction		47,103.19	
B-3270 Six Mile Lake Bridge, reconstruction		60,086.97	
B-3330 Lamco Bridge,reconstruction		51,363.53	
B-3331 Snowshoe Creek Bridge, reconstruction		59,523.34	238,372.77

PRINCE GEORGE SOUTH ELECTORAL DISTRICT (continued)

	$	$	$
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Day Labour:			
D-0010 Roadside development projects,general		48,878.21	
N-0429 Guardrail installation		87,077.00	135,955.21
Bridges:			
Bridge Branch:			
B-3088 B.C. Railway underpass, Cariboo Highway,repairs		46,034.00	
B-3255 Yellowhead Fraser River Crossing, Highway 16,Prince George		4,187,131.23	4,233,165.23
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0205 General Safety Works,Messiter Summit and Avola Road cut area placement of 30" barrier			7,994.00
Lands Survey Branch:			
L-0099 Legal Surveys			
-1. Dunster-Croydon and Barnett Roads in D.L.'s 7162 and 7163. C.D. 2.7 km+- 2. Channel Road in D.L.'s 7183 and 7176 Cariboo District 0.7 km+-		3,839.00	
-Eddy Road 552 - D.L. 5973 to S.Bdy., D.L.5303,Cariboo District		3,330.00	
-1. Raush Valley Road 535-W.Bdy, D.L.7206 to S.Bdy,D.L.7187,C.D. 10.4 km+- 2. McFee Road in part of D.L.7191 C.D. 0.6 km+-		18,551.20	25,720.20
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Highway 16 Prince George Airport Hill		234,369.51	
-Minor road surveys		3,672.48	
-Miscellaneous,from Prince George to Northwood Pulpmill Access Road		115.28	238,157.27
Property Services Branch:			
P-2804 Rights-of-way and property purchases			
-Dodd Road 3243		595.00	
-Dome Creek-Kidd Road 472		5,822.50	
-Dome Creek Road 449		2,818.00	
-Dunster-Craydon Road 531		4,464.00	
-Dunster North Road		2.00	
-Eddy Road 552		1,015.00	
-Fraser Road		785.00	
-Hansard Road 4082		1.00	
-Hutton Road 464		6,987.50	
-Isle Pierre Road 303		4,795.00	
-Jeck Road 512		2,300.49	
-Kidd Road 4050		1,089.50	
-Lower Mud River Road 310		3,018.90	
-Lamming Pit Road 579		395.81	
-McKiroy Road 504 and Whiskey Fill Road 571		5,784.00	
-Mountain View Road 544		4,181.38	
-Prospect Road		1,425.00	
-Raush Valley Road 535		310.39	
-Titryn Lane 175		199.98	
-Yellowhead Highway 16, Prince George		111,737.50	157,727.95
Total, Prince George South Electoral District			$17,083,089.09

PRINCE RUPERT ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			654,596.68
Snow removal			279,340.66
Bridge maintenance			70,094.26
Ferry maintenance and operations-			
Misty Islands Ferry subsidy		16,943.55	
Prince Rupert Ferry subsidy (Dodge Cove)		7,958.35	
Queen Charlotte Islands Ferry		801,933.37	826,835.27
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0147 Minor betterments			
-miscellaneous	57,976.16		
-Towhill Road reconstruction	63,544.91	121,521.07	
C-3197 Highway 16,Queen Charlotte Islands,area 6,rip rap		54,998.59	
C-3198 Highway 16,Queen Charlotte Islands,area 7,rip rap		106,990.86	
C-3199 Highway 16,Queen Charlotte Islands,area 8,rip rap		81,999.17	
C-3200 Sandspit-Alliford Bay Road, culvert replacement		46,473.59	
C-3343 Christina Place and Mountain Ash,Queen Charlotte Islands,pave		60,000.00	471,983.28
Paving Branch:			
S-2887 Highway 16 at Tyee (3.00 km)			214,737.34
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-1684 Yellowhead Highway 16,Tyee C.N.R. Overpass,and approaches,construction			190,757.92
Day Labour:			
N-0390 Guardrail installation			18,097.75
Property Services Branch:			
P-2806 Rights-of-way and property purchases			
-Alliford Bay Road 161		3,273.00	
-Highway 16,Kasiks River Bridge approaches		2,250.00	
-Lawnhill Road 47		1,245.00	
-Yellowhead Highway 16,Tyee-C.N.R. overpass approaches		4,450.00	11,218.00
Total, Prince Rupert Electoral District			$2,737,661.16

RICHMOND ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			905,301.72
Snow removal			48,723.95
Bridge maintenance			436,947.24

RICHMOND ELECTORAL DISTRICT (continued)

	$	$	$
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0119 Minor betterments,miscellaneous		20,817.90	
C-3536 George Massey Tunnel approach ramps,repaving and joint sealing		112,499.98	
C-3579 George Massey Tunnel, crack sealing of tunnel walls		116,900.00	
W-0793Fencing Schedule 2,Highways		28,000.00	278,217.88
HIGHWAY CAPITAL CONSTURCTION			
Bridges:			
Bridge Branch:			
B-3248 C.N.R. overpass at Lulu Island, Highway 99 widening		146,870.83	
B-3391 George Massey Tunnel,located on Deas Throughway,Highway 99 under Fraser River,cleaning and painting		254,155.57	401,026.40
Planning and Engineering Services:			
Traffic Branch:			
E-0280 Route 99 Massey Tunnel, reversible lane,electrical and signing			62,828.65
Property Services Branch:			
P-2801 Rights-of-way and property purchases -Oak Street Bridge approaches			1.00
Municipal Programs Branch:			
Secondary Highway Construction and Improvements:			
V-3766 234B,No. 3 Road and Bridgeport Road,District of Richmond			10,000.00
ECONOMIC RENEWAL - SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS			
Fraser River Crossing (Annacis Island)			
Roads:			
Construction Branch:			
C-2597 Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge,Boundary Road Overpass approaches, construction		10,063.37	
C-2624 Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge,Gilley sewer relocation		104,640.74	
C-2656 Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge,Queensborough Connector(to Boundary Road),grade construction		306,472.54	
C-2680 Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge,supply of dredged material(Contract 8)		10,200.00	
C-2693 Fraser River Crossing (Annacis Island),East Channel Bridge, north approach embankment,construction		36,351.20	
C-2817 Fraser River Crossing (Annacis Island),Richmond Connector grading		1,004,945.46	

RICHMOND ELECTORAL DISTRICT (continued)

		$	$	$
C-2900	Fraser River Crossing (Annacis Island),Mainline, Boundary Road to Richmond Connector,grading		23,862.15	
C-2934	Fraser River Crossing (Annacis Island),Guardrail purchase		59,226.33	
C-2957	Fraser River Crossing (Annacis Island), Queensborough area, wick drain construction		122,371.62	
C-2981	Fraser River Crossing (Annacis Island), Richmond East/West Freeway,supply of dredged material		5,410,968.76	
C-3026	Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge; Boundary Bridge - Annacis East Channel Bridge,sand supply and grading		2,020,552.28	
C-3065	Fraser River Crossing (Annacis Island),Richmond East/West Freeway,Jacombs Road to Hamilton Interchange		150,833.34	
C-3262	Fraser River Crossing (Annacis Island),Richmond East/West Freeway,Shell Road to Jacombs Road,Stage 1		1,000,907.39	
C-3409	Fraser River Crossing (Annacis Island),Richmond Connector,grading and paving, surcharge removal,drainage and paving		1,540,123.44	
C-3428	Fraser River Crossing (Annacis Island),Richmond East/West Freeway,Stage 2, Freeway construction,No. 6 Road to Westminster Highway		1,179,617.23	
C-3429	Fraser River Crossing (Annacis Island),Richmond East/West Freeway,Stage 3, Freeway construction,Westminster Highway to Hamilton Interchange		1,469,103.73	
C-3561	Fraser River Crossing (Annacis Island),Richmond East/West Freeway,Knight Street to No. 6 Road,densification		1,686,002.03	
C-3562	Fraser River Crossing (Annacis Island),Richmond East/West Freeway,Knight Street from Cambie Road to Bridgeport Road (1.050 km)		485,216.22	16,621,457.83
Bridges:				
Bridge Branch:				
B-3040	Fraser River Crossing (Annacis Island),Westminster Highway Bridge,underpass improvements		154,216.45	
B-3390	Fraser River Crossing (Annacis Island),Jacombs Road Underpass,Richmond East/West Freeway		312,192.98	
B-3522	Fraser River Crossing (Annacis Island),Alderbridge Way Overpass,Richmond East/West Freeway		43,430.91	

RICHMOND ELECTORAL DISTRICT (continued)

	$	$	$
B-3523 Fraser River Crossing (Annacis Island),Alouette Flyover and Isis Flyover,Richmond East/West Freeway		88,226.61	
B-3524 Fraser River Crossing (Annacis Island),No. 5 Road Underpass and Richmond Flyover, Richmond East/West Freeway		59,900.44	
B-3525 Fraser River Crossing (Annacis Island),Hermes Overpass Richmond East/West Freeway		11,372.31	
B-3677 Fraser River Crossing (Annacis Island),Garneau Flyover, Richmond East/West Freeway		1,226.46	670,566.16
Planning and Engineering Services:			
Geotechnical and Materials Engineering Branch:			
G-0038 Fraser River Crossing (Annacis Island), Geotechnical and Materials Engineering			125,446.92
Highway Design and Surveys Branch:			
L-0558 Fraser River Crossing (Annacis Island),			
-Westminster Highway, Knight Street to Hamilton Road		50,193.94	
-4 Road,Hamilton (Gilley Route)		246,593.01	296,786.95
Property Services Branch:			
P-0599 Rights-of-way and property purchases -Fraser River Crossing (Annacis Island)			2,709,052.33
Total, Richmond Electoral District			$22,566,357.03

ROSSLAND-TRAIL ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			1,891,968.22
Snow removal			1,270,905.96
Bridge maintenance			82,342.76
Ferry maintenance and operations-Castlegar Ferry			199,575.00
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Construction Branch:			
C-2995 Syringa-Deer Creek Park, Forest Roads			17,530.02
Day Labour:			
C-0132 Minor betterments,miscellaneous		212,000.00	
C-1876 Pass Creek Road,reconstruction		10,000.00	
C-3142 Riverdale,Genelle and Hanna Roads,miscellaneous paving		150,000.00	
C-3144 Waneta Highway,shouldering and ditching		50,000.00	
C-3478 Highway 3,Blueberry Paulton, machine brushing		50,000.00	
C-3480 Rossland area,miscellaneous roads,gravelling		65,000.00	

ROSSLAND-TRAIL ELECTORAL DISTRICT (continued)

	$	$	$
C-3729 Fairview Road and Highway 22, construct right turn lane		25,000.00	
W-3340Fencing Schedule 2,Highways		9,707.58	571,707.58
Bridges:			
Day Labour:			
B-3263 Beaver Creek Bridge 2, reconstruction		90,000.00	
B-3264 Shukin Bridge,purchase box beams		20,000.00	110,000.00
Paving Branch:			
S-0084 Miscellaneous surface seals, Highway 3:			
-Highway 3,Paulson Bridge to Castlegar	816,912.10		
-Ootischenia Pit to Meadows	511,121.11	1,328,033.21	
S-2977 Highway 3A,Trail-Glenmerry, Highway 22,Trail-Patterson, including Rossland curb and gutter (26.0 km)		2,061,798.72	3,389,831.93
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Day Labour:			
N-0382 Guardrail installation			40,000.00
Bridges:			
Bridge Branch:			
B-0566 Highway 22,Trail-Tadanac relocation,CPR underpass and excavation			3,320.18
Planning and Engineering Services:			
Traffic Branch:			
E-3256 Route 3B (Bailey Road) from Columbia River Bridge to Fourth Avenue,Trail,lighting revision			44,834.53
Lands Survey Branch:			
L-0099 Legal surveys,			
-Drakes Upper Road 122 and Drakes Lower Road 123 through Lot 936 and part of Sub Lots 54,55,59,175,181 and 182,Township 91,Kootenay District 2.0 km+-		9,085.00	
-Reference plan for parcels 2 and 3, as shown on L.T.O. Plan 13814 Township 7A,Kootenay District, Columbia Valley Road		1,200.00	10,285.00
Highway Design and Surveys Branch:			
L-0101 Surveys generally (Design and Surveys)			
-Castlegar Interchange		448.43	
-Highway 3A from Tadanac to Trail		29,599.36	
-Highway 3A from Glenmerry to Montrose		20,063.66	
-Intersection of access to Warfield on Highway 3B (left turn slot)		13,541.56	
-Minor road surveys		15,786.64	79,439.65
Property Services Branch:			
P-2803 Rights-of-way and property purchases			
-Broadwater Road 9		8,940.00	
-Gravel pits, etc.		300.00	
-Green Road 89		24,010.00	

ROSSLAND-TRAIL ELECTORAL DISTRICT (continued)

	$	$	$
Property Services Branch:			
P-2803 Rights-of-way and property purchases			
-Kinnaird Interchange, Highway 3, and Highway 22		190,372.47	
-Oberg-Johnson Road 34		333.68	
-Statt's Road 93		552.00	
-Upper Levels Road 240		3,900.00	228,408.15
Total, Rossland-Trail Electoral District			$7,940,148.98

SAANICH AND THE ISLANDS ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			2,198,979.36
Snow removal			348,325.97
Bridge maintenance			288,596.80
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0122 Minor betterments,miscellaneous		4,976.85	
C-0153 Minor betterments			
-Mayne Island miscellaneous roads,sealcoating	61,244.32		
-miscellaneous	40,651.03		
-Sturdies Bay road 583, resurfacing	60,274.52	162,169.87	
C-2378 Saanich area miscellaneous roads,sealcoat program		77,254.57	
C-3213 Saanich area miscellaneous roads,reconstruct and pave		93,897.47	
C-3496 Fulford to Ganges Road, Saltspring Island, overlay		99,192.10	437,490.86
Paving Branch:			
S-3717 Highway 17 (Pat Bay Highway) McKenzie Avenue to Sayward Road (7.7 km)		248,242.06	
S-3721 Saltspring Island and Galiano Islands,miscellaneous roads (26 km)		22,265.33	270,507.39
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Roadside Development Branch:			
D-2654 McKenzie Avenue extension, Burnside Road to Douglas Street, landscape development			1,551.41
Day Labour:			
N-0396 Guardrail installation			339.00
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0202 Roadside hazard elimination, Galiano Island,vertical curve improvements,rock blasting and repavement		43,803.50	

SAANICH AND THE ISLANDS ELECTORAL DISTRICT (continued)

	$	$	$
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0204 School route improvements,			
-Beaver Point Road, Saltspring Island: construct footpath for school children	4,107.27		
-Gowlland Road, Pender Island: Widen shoulder and surface treatment near elementary school	2,675.70		
-View Royal Elementary School, miscellaneous improvements for pedestrians	8,154.06	14,937.03	
C-0205 General safety works, Sundry roads:miscellaneous curbing, painting,traffic islands, etc., to delineate traffic patterns		12,444.00	71,184.53
Traffic Branch:			
E-3707 Route 17 (Blanshard Street) south bound,at Ravine Way,Saanich,signal installation and lighting revision			605.10
Lands Surveys Branch:			
L-0099 Legal Surveys			
-Clanton Road in part of remainder of Parcel A, Plan 1984-R of Lot 26, Galiano Island		1,000.00	
-E.10 Chains, Fractional S.W.1/4, Sec.12, Mayne Island, Cowichan District (Port Comfort Road)		984.55	
-Over Lot 1,Section 41,S.Saltspring Island,Cowichan District Plan 6306, Roland and Isabella Point Roads		943.50	
-S/D of part of Lot 6,Plan 3996 and Area A and Area B,Plan 3998 both in part of Section 9,Range 2 West and Section 10,Range 3 West,North Saltspring Island,Cowichan Land District		1,500.00	
-Sayward Road,widening in Lot A of Lot 22 Section 40,Plan 2349,Lake District		1,000.00	
-Statutory right-of-way for highway through Lot 1 Plan 31445,Section 100, Esquimalt District - Helmcken Road, widening		450.00	
-Through parts of Sections 49,50,77 and 78,Victoria District-McKenzie Avenue - Burnside Road to Highway 17		844.23	6,722.28
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Douglas-Goldstream,establishing R/W future 4 lanes plus 4		1,750.42	
-Durrance Lake Road relocation (Hartland Road-Durrance Lake)		75.61	
-McTavish Road Interchange		25,244.20	
-Pat Bay Highway, Beacon Avenue interchange		33,185.40	60,255.63
Property Services Branch:			
P-2806 Rights-of-way and property purchases			
-Blanshard Street extension		17,800.00	
-Bittancourt and Ganges Road		8,000.00	
-Erskine Lane		1.00	
-Georgina Point Road		7,500.00	
-Patricia Bay Highway and Cordova Bay Road		1,700.00	35,001.00

SAANICH AND THE ISLANDS ELECTORAL DISTRICT (continued)

	$	$	$
Municipal Programs Branch:			
Secondary Highway Construction and Improvements:			
V-0797 121B,Keating Cross Road, District of Central Saanich		88,089.48	
V-3762 154B Gorge Road, District of Saanich		17,843.94	
V-3763 193B,McTavish Road, District of North Saanich		70,190.00	176,123.42
Total, Saanich and the Islands Electoral District			$3,895,682.75

SHUSWAP-REVELSTOKE ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance		5,638,061.33	
M-3257 Stewart and Revelstoke, remote weather station installations		121,223.02	5,759,284.35
Snow removal			3,063,896.10
Bridge maintenance			523,391.02
Ferry maintenance and operations–			
Shuswap Lake Ferry subsidy		26,400.00	
Upper Arrow Lakes Ferry		1,465,841.84	1,492,241.84
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0124 Minor betterments,miscellaneous		318,600.00	
C-0125 Minor betterments,			
Gravel,reconstruct,Lumby-Mabel Lake Road	26,077.00		
-miscellaneous	26,484.94	52,561.94	
C-0138 Minor betterments,miscellaneous		194,000.00	
C-0468 Grandview bench Road,reconstruct and gravel		36,800.00	
C-1631 Enderby to Mabel Lake Road, reconstruction		420,200.00	
C-1925 Highway 31,Trout Lake-Galena Bay reconstruction		200,000.00	
C-1927 Highway 23,Nakusp-Revelstoke, shouldering and ditching		100,000.00	
C-2196 T.C.H.1,Cedar Drive Intersection, reconstruction		100,000.00	
C-2204 Chase-Falkland Road 194C, reconstruction and gravelling		150,000.00	
C-2206 Samuelson Road,Sicamous, reconstruction		25,000.00	
C-2208 Salmon Arm area roads, miscellaneous,gradall ditching		75,000.00	
C-3124 Salmon Arm area roads, miscellaneous,machine patching		75,000.00	
C-3125 Salmon Arm area roads, miscellaneous graded seal		100,000.00	
C-3159 Highway 1,east of Revelstoke, crack filling		50,000.00	
C-3360 Trans-Canada Highway 1,major pavement repairs		90,000.00	
C-3454 Skimikin Road,Salmon Arm,new pavement (1.6 km)		100,000.00	
C-3455 Chase to Falkland Road,Chase, new pavement		120,000.00	

SHUSWAP-REVELSTOKE ELECTORAL DISTRICT (continued)

		$	$	$
C-3456	Yankee Flats Road, Falkland, reconstruction		100,000.00	
C-3457	Celista subdivision roads, miscellaneous paving		50,000.00	
C-3467	Hallfish Road,reconstruction		19,800.00	
C-3468	Salmon Arm area,miscellaneous subdivision improvements		50,000.00	
C-3469	Chase area,miscellaneous		50,000.00	
C-3490	Edgar Road,reconstruct and gravel		77,480.88	
W-0345	Fencing Schedule 2, Highways		88,500.00	
W-0346	Fencing Schedule 2, Highways		2,993.39	2,645,936.21
Bridges:				
Day Labour:				
B-3267	Greely Bridge,box beam construction		50,000.00	
B-3307	Moore Bridge,reconstruction		8,774.00	
B-3308	Lower Kent Bridge,commence reconstruction		101,226.00	
B-3400	Simms Creek Bridge,install concrete beams		40,000.00	200,000.00
Paving Branch:				
S-0084	Miscellaneous surface seals, Crushed graded seal aggregate in stockpile at Zickmantle Pit in the Falkland area	71,135.16		
	-Crushed graded seal aggregate in stockpile at Turcotte Pit in the Pritchard area	58,900.32		
	-Highway 1: Chase east approach to Sorrento	4,713.55		
	-Squilax to Scotch Creek Junction	292,512.70		
	-Pavement recycling/resurfacing Highway 97 Schweb's Bridge to Pinaus Lake	878,839.06	1,306,100.79	
S-3738	Salmon Arm miscellaneous roads (Salmon River Road and Yankee Flats Road),pavement re-profiling and paving (26.65 km)		225.49	
S-3741	North Shuswap,miscellaneous roads, intermittent re-profiling and paving (16.9 km)		290.23	1,306,616.51
HIGHWAY CAPITAL CONSTRUCTION				
Roads:				
Day Labour:				
D-1553	Roadside development projects -general		11,957.64	
N-0374	Guardrail installation		58,400.00	
N-0375	Guardrail installation		14,844.00	
N-0388	Guardrail installation		75,000.00	160,201.64
Bridges:				
Bridge Branch:				
B-0551	Enderby Bridge,over Shuswap River Mabel Lake Road		5,386.16	
B-2649	Pritchard Bridge,Pinantan Road		291,622.70	297,008.86
Paving Branch:				
S-3742	South Shuswap,miscellaneous roads,intermittent paving (25.4 km)			245.52
Planning and Engineering Services:				
Highway Safety Engineering Branch:				
C-0202	Roadside hazard elimination Highway 97,pave shoulders through accident site		21,550.00	

SHUSWAP-REVELSTOKE ELECTORAL DISTRICT (continued)

	$	$	$
C-0204 School route improvements, Highway 97B,and 10th Avenue, SE intersection,construct and pave left-turn slots and deceleration tapers		23,524.00	45,074.00
Geotechnical and Materials Engineering Branch:			
G-3399 Highway 1,Sicamous to Alberta Boundary,4 laning,Geotechnical Investigations			10,134.71
Lands Survey Branch:			
L-0099 Legal Surveys			
-Over North 1/2,Lot 1 and over Lots 2 and 3,Plan 3153 in D.L.452,KDYD		938.50	
-Pritchard Bridge approaches in D.L.521 and N1/2 of SE.12,Township 20, RGE 14,W6M		1,750.00	
-Through N.E.1/4,Section 1, Township 18,Range 12 and N.W.1/4, Section 6,Township 18,Range 11 W6M (2.7 km) Silver Nails Road 320		7,455.24	
-Through part of Lot L,Plan 2081 as shown on Plan B4472 and Lot L, Plan 2081 except Plan B4472 both in Section 10, TP.22, R.G.E.11 W6M,KDYD, London Lane		500.00	10,643.74
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Aerial photography,Highway 1 Sicamous to Revelstoke		1,598.25	
-Cambie to Malakwa,survey control for mapping		217,914.20	
-Clanwilliam overhead to helicopter pad,survey control for mapping		54,999.92	
-Craigellachie to Perry River, survey control for mapping		35,996.29	
-Eagle River Bridge to Camp Creek, survey control for mapping		32,783.05	
-Griffin Lake to Three valley Lake, survey control for mapping		38,730.12	
-Highway 97 to Crosier Road Swan Lake Junction		1,437.70	
-Highway 97A, from Highway 1, Sicamous to Mara (via East side of Mara Lake)		32,113.51	
-Kay Falls to Eagle River Bridge, survey control for mapping		30,918.91	
-Minor road surveys		20,528.42	
-Miscellaneous,from Revelstoke east entrance		19.00	
-Salmon Arm from Shuswap to 40th Street north east on Highway 1		345.00	
-Sicamous to Solsqua,four laning		160.16	
-Squilax Bridge, Highway 1		632.80	
-Trans-Canada Highway 1 - Blind Bay,upgrading and intersection design		37.08	468,214.41
Property Services Branch:			
P-2802 Rights-of-way and property purchases			
-Colton Road	1,600.00		
-Davies Road 401	7,029.10		
-Duck Range Road 261	834.00		
-Edgar Road 149	5,132.75		
-Enderby-Mabel Lake Road	94.20		
-Evans Road 141	5,867.30		
-Forest Drive 712	276.91		

SHUSWAP-REVELSTOKE ELECTORAL DISTRICT (continued)

	$	$	$
Property Services Branch:			
P-2802 Rights-of-way and property purchases			
-Gravel pits, etc.	878.08		
-Grindrod-Salmon Arm Highway 97B	250.00		
-Highway 97A	1,500.00		
-Hilltop Road 403	2,780.00		
-Parri Road 55	171.97		
-James Road	2,000.00		
-Kappel Road 186	2,500.00		
-Lillooet - Pioneer Road 40	39.70		
-Martin Prairie Road 255	31,004.40		
-Sommerville-Husted Road	3,690.50		
-Squilax-Anglemont Road 446	1.00		
-Taylor Road	2,500.00		
-Trans Canada Highway and Shuswap Street intersection	1.00		
-Trans-Canada Highway, Cambie-Malakwa	240,916.39		
-Trans Canada Highway - Sicamous	108.67		
-Wellbanks Road	1,030.00		
-Yankee Flats Road 363	11,622.59	321,828.56	
P-2803 Rights-of-way and property purchases			
-Balfour-Kaslo-Galena Bay Highway 31	6,204.00		
-Balfour-Kaslo-Galena Bay Highway 31	3,200.00	9,404.00	331,232.56
Municipal Programs Branch:			
Amalgamation Grants:			
O-1301 City of Revelstoke Road maintenance grant		150,000.00	
0-3756 District of Salmon Arm, Grant to assist in replacement of Donnelly Bridge		15,613.75	165,613.75
Secondary Highway Construction and Improvements:			
V-2492 295B, Victoria Road, Railway Avenue, 4th Street, Townley St. and Revelstoke East access,City of Revelstoke		167,470.00	
V-3727 217B,Grand Prairie road over Salmon River (Donnelly Bridge), District of Salmon Arm		109,284.76	
V-3734 299B,Pleasant Valley Road, Township of Spallumcheen		25,737.00	302,491.76
HYDRO DEVELOPMENT - HIGHWAY CONSTRUCTION			
Bridges:			
Bridge Branch:			
B-3345 Highway 23,Revelstoke Mica Highway relocation,St. Cyr Creek Bridge			637,572.28
Total, Shuswap-Revelstoke Electoral District			$17,419,799.26

SKEENA ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			5,461,838.24
Snow removal			1,931,044.75

SKEENA ELECTORAL DISTRICT (continued)

	$	$	$
Bridge maintenance			420,794.96
Ferry maintenance and operations- Usk Ferry		132,777.04	
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0147 Minor betterments,miscellaneous		2,382.76	
C-0148 Minor betterments,miscellaneous		159,028.08	
C-0150 Minor betterments,			
-Miscellaneous	108,482.38		
-Smithers repave contract	131,534.98	240,017.36	
C-3192 Old Lakelse Road,graded aggregate seal		89,761.48	
C-3193 Kalum Lake Road-Maroon Creek, cut stabilization		248,765.39	
C-3194 Highway 16,construction of pullouts for tourist advisory signs		39,817.01	
C-3195 Smithers Highway District,regional rock scaling program		13,961.62	
C-3203 Highway 16,Chicken Creek, multiplate replacement		189,998.36	
C-3204 Kispiox Road,reconstruction		198,839.56	
C-3205 Highway 16,west of Kitwanga, major patching		99,999.63	
C-3386 Highway 16,rock slope stabilization		50,000.02	
C-3484 Intersection of Highway 16 and Old Lakelse Lake Road,Frontage Road improvements		114,825.79	
C-3538 Highway 37,ditching and drainage		88,921.72	
C-3539 Highway 16 and 37,intersection paving		1,810.35	
C-3574 Highway 16,Tyee-Khyex,shoulder paving		43,570.35	
C-3633 Highway 16,Nash slide repair		14,998.82	
C-3750 Highway 16 and 37 East,intersection improvements		172,976.59	
W-0363Fencing Schedule 2,Highways		9,998.70	1,779,673.59
Bridges:			
Day Labour:			
B-3316 Exchamsiks River Bridge, curtain wall repairs		8,477.07	
B-3317 Old Skeena Bridge, steel beam repair		4,605.62	
B-3318 Thornhill Creek Bridge, redecking		13,266.10	26,348.79
Paving Branch:			
S-0084 Miscellaneous surface seals, double surface seal on gravel surface		118,087.57	
S-0086 Paving generally		24,208.72	
S-0087 Surveys and investigations		197,305.83	
S-2983 Highway 37,Kitimat to Onion Lake (33.79 km)		2,754,272.31	
S-3249 Highway 16,Chimdemash Creek to Carnaby Crossing,intermittent paving		2,623.21	3,096,497.64
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-1723 Cassiar Highway 37, Cranberry Crossing 1 to Derrick Creek,grading			472,654.80

SKEENA ELECTORAL DISTRICT (continued)

	$	$	$
Day Labour:			
D-1555 Roadside development projects, general		57,454.35	
N-0391 Guardrail installation		73,940.32	
N-0392 Guardrail installation		49,999.03	181,393.70
Bridges:			
Bridge Branch:			
B-1381 Kitwancool Bridge, Kitwancool access road		5,483.27	
B-1383 Slickenside Creek Bridge, Polymar Creek Bridge and Snowbound Creek Bridge, Yellowhead Highway 16		2,060.34	
B-3605 Haugelgate Bridge,New Hazelton, suspension bridge analysis		8,159.62	15,703.23
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0206 General safety works, Old Lakelse Road,flex beam installation at Pit 1 Hill			20,726.00
Traffic Branch:			
E-1604 Route 16 at Old Lakelse Lake Road,Terrace,lighting revision			10,093.00
Lands Survey Branch:			
L-0099 Legal Surveys			
-Kalum Lake Road 3, S.Bdy,D.L.1422 to N.Bdy,.D.L.6733,Range 5,C.D., 8.5 km+		19,113.50	
-Merkeley Road 57,S.Bdy.,D.L.589 to N.Bdy.,D.L.1115,Rge.5,C.D. 2.8 km+-		2,434.00	
-S.Bdy.,D.L.1399 to N.Bdy., D.L.1416,Range 5,Coast District 3 Kalum Lake Road 11.1 km+-		26,743.70	48,291.20
Highways Design and Surveys Branch:			
L-0101 Surveys generally			
-Carnaby Crossing to Kitsequeda, Yellowhead Highway 16 west		55,133.92	
-East Kalum Lake Road		1,544.57	
-Highway 16, Exchamsiks River to D.L.5841		8,111.69	
-Khyex River to Aberdeen Creek		5,463.28	
-Minor road surveys		7,870.50	
-Terrace to Nass River Road,Cedar River to Tseax Junction		39,894.21	118,018.17
Property Services Branch:			
P-2806 Rights-of-way and property purchases			
-Bench Road 424		361.00	
-Bluebird Road 235		1.00	
-Creek Street 33		674.00	
-Eckman Road 60		2,100.00	
-Kalum Lake Road 3		14,200.00	
-Old Lakelse Lake Road 53		67,733.10	
-Sunnyside Avenue 251		699.00	
-Trobak Road 162		1.00	
-Yellowhead Highway 16		11,287.00	97,056.10
Municipal Programs Branch:			
Amalgamation Grants:			
O-0927 District of New Hazelton, maintenance of annexed area, amalgamation grant			22,500.00
Total, Skeena Electoral District			$13,835,411.21

SOUTH PEACE RIVER ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			5,006,728.16
Snow removal			2,589,909.39
Bridge maintenance			278,619.28
Ferry maintenance and operations-Clayhurst Ferry			341,416.00
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0142 Minor betterments,			
-Hart Highway 97 and Highway 29 north shoulder brushing and drainage	98,629.64		
-Heritage Highway 52 Boundary Section,add clay and gravel	52,531.60		
-Miscellaneous	223,755.51		
-Old Hart Road 208, surface treatment	105,307.72		
-17th Street North resurface	62,619.73	542,844.20	
C-0871 Northeast coal development, Access Highway,Highway 97 to Tumbler Ridge,Fellers Height Road,gravelling,grading,dust control		459,345.16	
C-3177 Miscellaneous roads in the Dawson Creek area,reconstruction and gravelling		253,113.04	
C-3178 Highway 97,east and west of Chetwynd,major patching		299,389.58	
C-3179 Highway 2 near Alberta border, major patching		49,117.50	
C-3180 Northeast Coal Development Access Highway,Highway 29,Chetwynd to Tumbler Ridge,slide repair,ditching and redress slopes		73,349.73	
C-3181 Landscape and reclamation of depleted gravel pits		22,658.30	
C-3436 Heritage Highway,south end, reconstruct and base coarse		1,299,925.44	
C-3437 Miscellaneous school bus routes, Dawson Creek area,reconstruct and gravel		154,534.50	
C-3618 Highway 2,Dawson Creek to Alberta border,shouldering		124,997.69	
W-0358Fencing Schedule 2,Highways		46,104.89	3,325,380.03
Bridges:			
Day Labour:			
B-3274 Close Bridge,reconstruction		27,284.99	
B-3275 Collins Bridge,replace with multiplate pipe		28,430.50	
B-3276 Brassey Bridge,major deck and beam repair		83,357.07	139,072.56
Paving Branch:			
S-0084 Miscellaneous surface seals,			
-Crushed granular aggregate in stockpile Kiskatinaw 4 Pits	159.71		
-Crushed granular aggregate in stockpile miscellaneous pits, Dawson Creek Highway District	306.71	466.42	
S-0086 Paving generally		4,112.01	
S-0087 Surveys and investigations		55,903.32	
S-3254 Highway 97,north and south of Chetwynd,23.2 km		1,876,988.28	1,937,470.03

SOUTH PEACE RIVER ELECTORAL DISTRICT (continued)

	$	$	$
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-0282 John Hart Highway 97, Garbitt Tunnel, reconstruction			1,408,971.64
Day Labour:			
N-0431 Guardrail installation			49,908.59
Bridges:			
Bridge Branch:			
B-2302 Clayhurst Bridge,Clayhurst -Rolla Road			1,165,027.76
Paving Branch:			
S-3228 Heritage Highway,Fellers Heights-Brassey Creek (12.2 km)		2,118,083.02	
S-3229 Highway 97,Jackfish Lake Road, East Pine Truck Lane and West Fraser Mill Road (14.9 km)		1,150,438.15	
S-3526 Heritage Highway,Tumbler Ridge to Quality Creek (8.0 km), gravelling and paving		519,354.51	3,787,875.68
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0202 Roadside hazard elimination, Pine Pass Area: Place hanging hazard markers in high snow areas		1,598.70	
C-0203 Highway safety measures -Intersection improvements and shoulder widening,Dawson Creek Ball Park entrance and entrance to Pouce Coupe Hospital	5,000.00		
-Redesign and improve left-turn movements from Highway 2,Fynn's Corner to the dangerous goods route, Dawson Creek	14,934.86	19,934.86	
C-0205 General safety works, Installation of delineator posts on curve		2,000.00	23,533.56
Traffic Branch:			
E-2864 1. Route 39 at Mill Road,MacKenzie, lighting installation 2. Route 2 at 15th Street,Dawson Creek,signal lighting installation		912.05	
E-3114 1. Route 97,New Nechako Br. to 5th Avenue 2. Route 97,22nd Avenue, to Route 16,Prince George, lighting installation		83,221.57	84,133.62
Lands Survey Branch:			
L-0099 Legal Surveys -Northeast Coal Development access highway,Chetwynd-Tumbler Ridge Highway 29,Bullmoose access road to E.Bdy.,of Gwillim Lake Road 14.0 km+-		9,500.00	
-Northeast Coal Development access highway,Chetwynd-Tumbler Ridge Highway 29,Upper Martin Creek to E.Bdy,.Gwillim Lake Park 14.7 km+-		8,700.00	
-Northeast Coal Development access highway,Heritage Highway 52 - Flat-bed Creek to Babcock Creek 12.2 km+-		5,775.00	
-Plan of part of District Lot 1998,Peace River District, Johnson Pit extension		1,442.36	25,417.36

SOUTH PEACE RIVER ELECTORAL DISTRICT (continued)

	$	$	$
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Clayhurst Bridge site		17,492.32	
-Hart Highway 97 from Pine Pass to West Pine Bridge		137,334.48	
-Highway 49,Arterial Highway, R363,traffic circle to east city boundary		10,773.18	
-Heritage Highway surveys		56,659.21	
-Minor road surveys		17,322.06	239,581.25
Property Services Branch:			
P-2804 Rights-of-way and property purchases			
-Johnson Road 232A		100,000.00	
-Johnson Road 232C		2,375.00	
-Road 203		3.00	
-Road 221		625.00	103,003.00
Total, South Peace River Electoral District			$20,506,047.91

SURREY ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			1,325,371.35
Snow removal			190,524.06
Bridge maintenance			202,263.62
Ferry maintenance and operations-Barnston Island Ferry			351,413.79
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0119 Minor betterments,			
-Highway 99,Canada Customs, grind and pave	59,214.02		
-Miscellaneous	99,380.08	158,594.10	
C-3118 Highway 10(180th Street-187th Street),construct east bound truck lane		608,992.25	
C-3123 Highway 15,Pacific Highway, from U.S. border to 32nd Avenue, 4 lane construction and paving		3,473,866.92	
C-3631 Trans-Canada Highway 1, 152nd Street to 160th Street, paving		40,000.00	
W-0793Fencing Schedule 2,Highways		56,000.00	4,337,453.27
Bridges:			
Day Labour:			
B-1016 Oak Street Bridge,rail and post galvanizing		30,000.00	
B-3284 George Massey Tunnel,coat floor, repair cracks and wind vanes		15,000.00	45,000.00
Ferry Landings:			
Day Labour:			
H-3627 Branston Island Ferry Dock (Mainland Slide),emergency repairs			50,000.00

SURREY ELECTORAL DISTRICT (continued)

		$	$	$
Paving Branch:				
S-2979	**Highway 1A,Pattullo Bridge deck,resurfacing (1.10 km)**		176,363.14	
S-3545	**Highway 1,Port Mann Bridge deck resurfacing 0.48 km**		45,246.58	221,609.72
HIGHWAY CAPITAL CONSTRUCTION				
Roads:				
Construction Branch:				
C-3123	**Highway 15,Pacific Highway, from U.S. Border to 32nd Avenue, 4 lane construction and paving**			468,925.27
Roadside Development Branch:				
D-2893	**Expo 86, promotional displays**			517,801.15
Day Labour:				
C-3637	**King George Highway 99A, east and west of 128th Street, construction**		551,173.02	
N-0370	**Guardrail installation**		15,000.00	566,173.02
Bridges:				
Bridge Branch:				
B-1420	**Pattullo Bridge south approach, falsework for bearing replacement**			553,402.41
Paving Branch:				
S-3258	**Scott Road reconstruction, 64th,72nd and 84th Avenue intersections,grading,paving and drainage**			464.12
Planning and Engineering Services:				
Traffic Branch:				
E-2916	**Route 1A at 96th Avenue, Surrey, traffic signal and lighting installation**		152,740.97	
E-2958	**Routes 1, 17 and 99, illumination of Expo 86, floral displays (various locations)**		36,046.71	
E-2960	**Route 1A,Port Mann Bridge to Johnson Road Interchange,Surrey lighting revision**		79,650.12	
E-3062	**Route 15 (Pacific Highway),0 Avenue to 32nd Avenue,Surrey,signal and lighting installation**		154,256.74	
E-3552	**Route 1A/99A at 102nd Avenue (Dunn) Avenue,Surrey,traffic signal revision**		11,808.00	
E-3642	**Route 1 - Port Mann Bridge lighting replacement**		27,475.50	
E-3672	**Route 10, 180th Street to 184th Street,Surrey,signal and lighting installation**		181.74	462,159.78
Lands Survey Branch:				
L-0099	**Legal Surveys, Pacific Highway 15,Cloverdale Bypass through part Block 2,Section 7, Township 8, N.W.D., Plan 628**			1,000.00
Highways Design and Surveys Branch:				
L-0101	**Surveys generally**			
	-Pattullo Bridge to River Road		710.93	
	-Pattullo Bridge - Whalley		129,100.75	
	-Port Mann Eastbound weigh scale site		50.00	
	-Scott Road from Highway 1 to Highway 10		47,095.51	

SURREY ELECTORAL DISTRICT (continued)

	$	$	$
Highways Design and Surveys Branch:			
L-0101 Surveys generally			
-Scott Road, Old Yale Road to 96th Avenue		52,203.93	
-South end of Pattullo Bridge		204,056.25	
-Whitehouse Corner - 152nd Street, 4 laning (Fraser Highway)		3,450.71	436,668.08
Property Services Branch:			
P-2801 Rights-of-way and property purchases			
-Fraser Highway and 88th Avenue intersection		1.00	
-Fraser Highway at Johnston Road		525.47	
-Fraser Highway,96th Avenue to 144th Street		1.00	
-Highway 10,180th (Pratt Road), 188th (Siddons Road)		732,652.40	
-King George Highway and 128th Street		1,879,848.63	
-Pacific Highway, 1st Avenue to 32nd Street		1,329,337.19	
-Pattullo/Scott Road Interchange		465,100.00	
-Scott Road and Bridge Road, Pattullo Bridge approach, Old Yale Road, King George Highway		6,450.00	
-Scott Road and 64th Avenue		574,472.60	
-T.C.H. Port Mann to Halls Prairie		180.00	4,988,568.29

ECONOMIC RENEWAL - SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS

	$	$	$
Fraser River Crossing (Annacis Island)			
Roads:			
Construction Branch:			
C-2679 Fraser River Crossing (Annacis Island),Highway 99 to Queensborough Bridge,supply of dredged material (64th stockpile site)			55,242.80
Roadside Development Branch:			
D-3682 Fraser River Crossing (Annacis Island),including connectors,roadside development			9,600.46
Total, Surrey Electoral District			$14,783,641.19

VANCOUVER CENTRE ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			428,124.86
Snow removal			8,665.74
Bridge maintenance			5,027.68
HIGHWAY CAPITAL CONSTRUCTION			
Bridges:			
Bridge Branch:			
B-2947 Lions Gate Bridge,Highway 99 installation of hand strands on main cables and installation of ornamental lighting			513,353.56

VANCOUVER CENTRE ELECTORAL DISTRICT (continued)

	$	$	$
Planning and Engineering Services:			
Traffic Branch:			
E-2932 Route 1A and 99, Lions Gate Bridge, decorative lighting			7,995.12
Highway Design and Surveys Branch:			
L-0101 Surveys generally Lions Gate Bridge, south approach			582.30
Total, Vancouver Centre Electoral District			$963,749.26

VANCOUVER EAST ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			148,596.31
Snow removal			11,627.25
Bridge maintenance			20,719.09
HIGHWAY CAPITAL CONSTRUCTION			
Bridges:			
Bridge Branch:			
B-3554 Second Narrows Bridge, Taylor Way to Cassiar Street, removal, renovation and replacement of north and south wing anchor			1,883.96
Planning and Engineering Services:			
Highway Design and Surveys Branch:			
L-0101 Surveys generally Cassiar Street			44.00
Total, Vancouver East Electoral District			$182,870.61

VANCOUVER-POINT GREY ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			227,597.34
Snow removal			21,294.69
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-3912 [illegible]6th Avenue and S.W. Marine Drive on U.B.C. endowment lands, 4 laning			31,908.36
Total, Vancouver-Point Grey Electoral District			$280,800.39

VANCOUVER SOUTH ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			74,260.46
Snow removal			1,833.32
Bridge maintenance			26,446.73
Total, Vancouver South Electoral District			$102,540.51

WEST VANCOUVER-HOWE SOUND ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			3,141,440.88
Snow removal			762,584.81
Bridge maintenance			183,510.19
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0117 Minor betterments, miscellaneous		213,139.70	
C-0122 Minor betterments, miscellaneous		3,552.42	
C-2092 Bowen Island Roads, miscellaneous improvements		100,000.00	
C-2094 Garibaldi Highway 99 (Squamish Highway), Whistler to Pemberton (Green Lake Section), shouldering and drainage improvements		95,864.70	
C-3115 Garibaldi Highway 99 (Squamish Highway) Highway Realignment at Swift (Lyall) Creek		298,894.17	
C-3443 Garibaldi Highway 99 (Squamish Highway) Squamish area, pavement overlay		100,000.00	
C-3444 Meadows Road, Pemberton, pavement overlay		75,000.00	
C-3674 Garibaldi Highway 99 (Squamish Highway), Alberta Creek, check dam construction to prevent slides		320,800.00	
C-3675 Garbaldi Highway 99 (Squamish Highway), Loggers Creek, major rock removal		277,936.70	
W-2238 Fencing Schedule 2 Highways		23,001.56	1,508,189.25
Bridges:			
Day Labour:			
B-3281 Ryan Creek Bridge, purchase box beams		40,000.00	
B-3282 Miscellaneous bridges, galvanize bridge railings		17,756.42	57,756.42
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-2593 Garibaldi Highway 99 (Squamish Highway), Harvey Creek and Magnesia Creek, debris torrent control facilities, including relocation of Lions Bay water supply		2,461,319.76	

WEST VANCOUVER-HOWE SOUND ELECTORAL DISTRICT (continued)

	$	$	$
C-2594 Garibaldi Highway 99 (Squamish Highway), Charles Creek, debris torrent control facility		456,196.84	
C-3027 Garibaldi Highway 99 (Squamish Highway),Newman Creek channelization,bridge approaches reconstruction		2,247,968.13	
C-3036 Garibaldi Highway 99 (Squamish Highway),Lions Bay Interchange and Harvey Creek channelization and bridges		3,914,019.32	
C-3753 Garibaldi Highway 99 (Squamish Highway),Alberta Creek channelization and bridge		349.35	9,079,853.40
Day Labour:			
D-1552 Roadside development projects - general		7,750.01	
N-0368 Guardrail installation		59,934.00	67,684.01
Bridges:			
Bridge Branch:			
B-2409 Garibaldi Highway 99 (Squamish Highway), Alberta Creek Bridge		247,157.54	
B-2452 Garibaldi Highway 99, (Squamish Highway) Montizambert Creek Bridge		10,302.75	
B-2456 Garibaldi Highway 99, (Squamish Highway) Bridge insurance premiums		71,009.40	
B-2646 Garibaldi Highway 99 (Squamish Highway),Magnesia Creek Bridge		1,360,807.61	
B-3339 Lions Gate Bridge (Highway 99) tower repair,sidewalk repair		242,647.98	
B-3590 Lions Gate Bridge,structural		126,264.58	2,058,189.86
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0205 General safety works, Highway 99,installation of rock slide warning signs			3,996.50
Traffic Branch:			
E-2895 Route 99 at Village Gate Boulevard, Whistler, signal and lighting installation		16,023.16	
E-2961 Route 99 at Alice Lake Junction Road,Squamish,sign and lighting installation		29,949.00	45,972.16
Highway Design and Surveys Branch:			
L-0101 Surveys generally			
-Garibaldi Highway 99 (Squamish Highway) Squamish to Cheekye		21,691.65	
-Garibaldi Highway 99 (Squamish Highway) Horseshoe Bay to Newman Creek		115,943.28	
-Garibaldi Highway 99 (Squamish Highway) Newman Creek to "M" Creek		228,108.56	
-Garibaldi Highway 99 (Squamish Highway) "M" Creek to Porteau Cove		113,222.54	
-Garibaldi Highway 99 (Squamish Highway) Porteau Cove to Brittania		81,635.36	
-Garibaldi Highway 99 (Squamish Highway) Design proposals for debris torrent control facilities - Harvey Alberta,Magnesia and Charles Creek		374,768.66	

WEST VANCOUVER-HOWE SOUND ELECTORAL DISTRICT (continued)

	$	$	$
-Horseshoe Bay - Squamish		31.25	
-Squamish from Strachan 2 and Newman Creek Bridge sites		315.00	
-99 Brohm Lake to Whistler Junction		66,619.01	
-Minor road surveys		1,038.98	
-Whistler four laning West Road - Mons Highway 99		1,299.12	1,004,673.41
Property Services Branch:			
P-2801 Rights-of-way and property purchases			
-Bowen Island Public Access Road		175,001.00	
-Garibaldi - Squamish Highway 99		17,500.00	
-Garibaldi Highway 99 (Squamish Highway),Magnesia Creek debris control structure		225,050.71	
-Garibaldi Highway 99 (Squamish Highway),Lions Bay		84,879.00	
-Garibaldi Highway 99 (Squamish Highway),Harvey Creek,debris torrent control facility		21,205.00	
-Garibaldi Highway 99,Lions Bay Interchange and Harvey Creek Bridges		49,261.00	
-Garbaldi Highway 99 (Squamish Highway),Alberta Creek channelization at Lions Bay		600,560.01	
-Pemberton-Lillooet River Bridge, site and approaches		128.00	
-Pemberton Meadows Road		1,904.00	
-Ryan Creek Bridge		2,500.00	
-Second Narrows - Lynn Creek		4,888.53	
-T.C.H., 2nd Narrows Bridge to 1st Avenue		1,449.77	
-Upper Levels Highway and Lonsdale Interchange		198,573.00	1,382,900.02
Total, West Vancouver-Howe Sound Electoral District			$19,296,750.91

YALE-LILLOOET ELECTORAL DISTRICT

	$	$	$
HIGHWAY MAINTENANCE			
Road maintenance			8,048,672.86
Snow removal			4,479,856.63
Bridge maintenance			449,145.15
Ferry maintenance and operations-			
Lytton Ferry		190,812.91	
North Bend Ferry		265,000.00	455,812.91
HIGHWAY CAPITAL MAINTENANCE			
Roads:			
Day Labour:			
C-0120 Minor betterments,miscellaneous		148,165.61	
C-0126 Minor betterments,miscellaneous		56,311.70	
C-0127 Minor betterments			
-Clearing and grubbing, Coldwater Road	63,608.95		
-Miscellaneous	161,444.74	225,053.69	
C-0128 Minor betterments,miscellaneous		243,379.99	
C-0270 Gun Lake Road,construction		89,523.77	
C-0472 Princeton area,local improvements and pave		259,457.24	

YALE-LILLOOET ELECTORAL DISTRICT (continued)

	$	$	$
C-0825 Lillooet Goldbridge Road, gravelling		81,534.50	
C-2222 Texas Creek Road,reconstruction		173,785.20	
C-2558 Douglas Lake Road,construction		309,544.63	
C-3119 Highway 3 Copper Creek Hill, gravel and pave		205,600.00	
C-3120 Boston Bar Ferry Road and Chaumox Road,reconstruct		44,098.16	
C-3122 Cog Harrington Bridge, Boston Bar,construct approaches		1,016,929.13	
C-3129 Seton Portage and Shalalth area roads,double seal		128,414.21	
C-3251 Trans Canada Highway 1,American Creek to Yale,ditching		44,400.00	
C-3366 Stake Lake,construct parking area		31,420.29	
C-3459 Airport Road,Cache Creek, construction and extension (.8 km)		35,961.57	
C-3463 Old Hedley Road,upgrade and pave		58,316.40	
C-3464 Highway 3 at Vermillion,Princeton, intersection reconstruction		82,902.95	
C-3465 Rey Hill,Mamit Lake Road,sealcoat		50,000.00	
C-3466 Route 12A,Lytton-Lillooet,gravel road mix at Summer Road Intersection		66,721.81	
C-3569 Thompson subdivision, C.P. Rail, Mile 85.6,retaining wall		44,605.56	
C-3583 Towers Ranch Subdivision Road,paving		63,000.00	
C-4170 Duffey Lake Road,construction, widen and gravel		239,135.61	
W-0348Fencing Schedule 2,Highways		41,535.55	
W-0349Fencing Schedule 2,Highways		40,501.57	
W-0350Fencing Schedule 2,Highways		101,765.00	3,882,064.14
Bridges:			
Day Labour:			
B-2716 Silver Skagit Bridge 2, reconstruct		112,189.42	
B-3311 Ward Bridge,reconstruction		149,993.40	
B-3312 Priester Bridge,reconstruction		61,905.00	
B-3751 Roger Creek Bridge,reconstruction		16,227.77	340,315.59
Paving Branch:			
S-2973 Highway 1,American Creek to Gordon Creek and Yale Tunnel approaches (14.10 km)		1,649,781.18	
S-2974 Highway 1 and Trans Canada Highway Oregon Jack to Boston Flats and Campbell Hill Airport (19.8 km)		1,782,600.07	
S-2975 Highway 1 and Trans Canada Highway, east of Cache Creek to Thompson River Bridge (33.7 km)		1,188,862.25	
S-3737 Highway 1 Sections: Ferrabee Tunnel to Jackass Mountain and paving to North Bend (14.74 km)		41,421.90	4,662,665.40
HIGHWAY CAPITAL CONSTRUCTION			
Roads:			
Construction Branch:			
C-2662 Floods to Hope,construction		10,399,222.77	
C-2871 Hope to Nicolum Creek,4.4 km		21,147,559.20	
C-4477 S.T.P.H.3,Nicolum Creek-W.Bdy,Manning Park,construction		1,066,460.29	32,613,242.26
Day Labour:			
C-2823 Highway 5 Junction and Douglas Lake Road,realignment		18,230.74	
C-2824 Highway 5 at Nicola Lake Rock Bluffs,realignment		219,317.20	

YALE-LILLOOET ELECTORAL DISTRICT (continued)

	$	$	$
C-2911 Highland Valley Road,Ashcroft, reconstruction Barnard Creek and Suicide Corner		1,028,951.08	
C-3344 Meadow Creek Road,replace cattle underpasses		125,000.00	
C-3413 Upper Nicola Indian Reserve, intersection improvement		31,497.46	
C-3414 Construct bus pullouts		50,000.00	
C-3431 Ski trails relocation		194,222.29	
C-3450 Douglas Lake Road,realign to remove corners (2.4 km)		172,265.14	
C-3534 Construct cattle underpasses on Highway 5 North and Monck Park Road		80,345.43	
D-1553 Roadside development projects-general		43,231.45	
N-0371 Guardrail installation		40,000.00	
N-0373 Guardrail installation		4,929.91	
N-0377 Guardrail installation		4,293.97	
N-0378 Guardrail installation		60,293.83	
N-0379 Guardrail installation		47,018.80	2,119,597.30
Bridges:			
Bridge Branch:			
B-2347 Boston Bar Bridge, Boston Bar to North Bend Access	514,004.27		
-Deck spans 2,3,4, and 5	490,696.36		
-Removal,supply and erection of steelwork	1,362,941.71		
-Substructure	75,604.10	2,443,246.44	
B-2787 Silverhope Underpass and Floods Underpass		1,630,643.55	
B-2790 Tomberry Road Bridge		220,173.18	
B-2828 Hope Overpass and Thacker Creek Overpass		2,445,054.23	
B-2832 Alexander Creek Bridge		5,466,595.63	
B-2866 Three Mile Bridge		248,969.97	
B-2880 Silverhope Creek Bridge		2,040,027.07	
B-2898 Curnow Bridge		1,411,296.12	
B-2899 Rattlesnake Bridge		1,644,573.15	
B-2959 Popkum Road Underpass,Anderson Creek Bridge,Anderson Creek Bridge,widening		43,729.59	
B-3094 Berkey Creek Bridge		225,238.63	17,819,547.56
Paving Branch:			
S-2815 Highway 5 Upper Nicola-Peter Hope Lake Road,(33.10 km)		194,523.14	
S-2920 Meadow Creek Road, Logan Lake to Lac Le Jeune		1,240,529.20	
S-2921 Highland Valley Road: Bethlehem Mine Access Road to Logan Lake		1,091,786.61	
S-2922 Highland Valley Road,Ashcroft to 26.3 km eastward (18.95 km)		1,806,835.07	
S-3747 1) Highway 1,gutter,sidewalks and paving: 2) Highway 1,Haig to American Creek,paving (5.0 km)		1,613.00	4,334,287.02
Planning and Engineering Services:			
Highway Safety Engineering Branch:			
C-0202 Roadside hazard elimination, Highway 12,Fountain Reserve, rock removal		1,000.00	
C-0203 Intersection improvements,			
-Highway 1 and Ashcroft Manor Road,Red Hill Rest Area, left turn slots	15,000.00		
-Highway 1 and Cornwall Road, deceleration lane	12,388.88		

YALE-LILLOOET ELECTORAL DISTRICT (continued)

		$	$	$
C-0203	Intersection improvements, -Highway 1,Boothroyd area, reconstruct access road to I.R.4	28,865.98	56,254.86	57,254.86
Traffic Branch:				
E-1818	Route 1 at Route 97, Cache Creek,signal and lighting installation		520.20	
E-2950	Route 1,Floods to Hope, Hope area,signal and lighting installation		134,540.38	
E-2991	1) Cheam View to Jones Creek 2) Wahleach Station to Cheam View, lighting installations		544.85	135,605.43
Lands Survey Branch:				
L-0099	Legal Surveys			
	-Gun Lake Road west 90,W.Bdy., D.L.8519 to E.Bdy.,D.L.4823, Lillooet District 1.5 km+-		5,396.35	
	-Merritt Spences Bridge Highway 8 through District Lot 4239,KDYD 1.0 km		1,000.00	
	-N.Bdy.,D.L.7821 to D.L.2410, Lillooet District,Gun Lake Road west 3.2+-		895.30	
	-Through part of Kopchitchin Indian Reserve 2		4,119.15	
	-Trans Canada Highway,D.L.103, GP.2,KDYD to 105 Mile Post I.R.		1,453.00	12,863.83
Highway Design and Surveys Branch:				
L-0101	Surveys generally			
	-Highway 1, south of Yale	563.08		
	-Highway 3, Rhododendron Flats	3,380.08		
	-3 Hope Princeton slide area	22,337.55		
	-Kamloops-Highland Valley	184.43		
	-Minor Road Surveys	235.00		
	-North Bend Bridge Site-Boston Bar	30,548.77		
	-Route 8,Merritt-Spences Bridge	15,277.36		
	-S.T.P.H. 3,47-48 km	60,864.34		
	-S.T.P.H. (Truck Lanes) from Hope to Princeton	3,031.46		
	-Trans Canada Highway 1, Oregon Jack-North Ashcroft Junction	71.47	136,493.54	
L-3135	Coquihalla Highway,Merritt-Peachland Section,			
	-General expenses	475,729.71		
	-Pothole Creek to the Wart	104,623.17		
	-Power Line Crossing to Brenda Mine	3,432.66		
	-The Wart to Johns Creek	6,804.64	590,590.18	727,083.72
Property Services Branch:				
P-2801	Rights-of-way and property purchases			
	-East approach to Boston Bar Bridge Highway,to Fraser River Crossing	59,105.64		
	-Floods to Hope-Trans Canada Highway	134,050.83		
	-Silver Skagit Road	17,445.00		
	-Trans Canada Highway Cheam View to Jones Creek Section	139,306.56		
	-Trans Canada Highway,Nicolum Creek-Hope Slide	70.00		
	-Trans Canada Highway,Wahleach Power Station,Cheam View	260,305.89	610,291.91	

YALE-LILLOOET ELECTORAL DISTRICT (continued)

	$	$	$
Property Services Branch:			
P-2802 Rights-of-way and property purchases			
-Douglas Lake Road 25	17,680.80		
-Gravel Pits,etc.	61,594.69		
-Gun Lake Road	23,023.00		
-Lillooet Bridge approach, waterfront connection	8,000.00		
-Lillooet-Station Hill Road	114,197.43		
-Lindley Creek Road 143	500.40		
-Mamit Lake Road 46	1.00		
-Merritt to Kamloops Highway	1.00		
-Monck Park Road 51	1.00		
-Princeton-Summerland Road 40	7,353.25		
-Sorrento-Eagle Bay Road 67	8,400.00		
-Trout Creek to Summerland	97,000.00		
-Tuckozap Indian Reserve 24	9.90		
-Vermillion Avenue	41,816.00	379,578.47	989,870.38

ECONOMIC RENEWAL-SPECIAL HIGHWAY CAPITAL CONSTRUCTION PROJECTS

	$	$	$
Coquihalla Highway Construction:			
Roads:			
Construction Branch:			
C-0579 Coquihalla Highway, Hope-Merritt Section, Dry Gulch-Mine Creek		195,856.51	
C-0760 Coquihalla Highway,Hope-Merritt Section 1) Peers Creek to Ten Mile Creek,construction 2) Nicolum Creek to Peers Creek,gravelling		6,445,160.52	
C-2663 Coquihalla Highway,Hope-Merritt Section,Ten Mile Creek-Sowaqua Creek,construction		5,522,871.27	
C-2683 Coquihalla Highway,Hope-Merritt Section,Sowaqua Creek-Ladner Creek,construction		7,977,193.58	
C-2694 Coquihalla Highway,Hope-Merritt Section, 1) Mine Creek-Juliet Creek,construction 2) Dry Gulch-Mine Creek,gravelling		7,194,566.45	
C-2781 Coquihalla Highway,Hope-Merritt Section,production of aggregates from Coldwater Pit		85,258.88	
C-2782 Coquihalla Highway,Hope-Merritt Section,production of aggregates from Shylock Pit		2,624,840.28	
C-2783 Coquihalla Highway,Hope-Merritt Section,production of aggregates from Rusty Pit Coldwater Valley		3,082.19	
C-2810 Coquihalla Highway,Hope-Merritt Section,			
-Concrete arch construction	507,240.58		
-Portia to Miranda,36.1 km to 39.1 km	4,559,048.00	5,066,288.58	
C-2811 Coquihalla Highway,Hope-Merritt Section,Miranda to Box Canyon, 39.1 km to 42.8 km		8,971,441.74	
C-2812 Coquihalla Highway,Hope-Merritt Section,Box Canyon to Great Bear 5 42.8 km to 45.8 km		15,293,446.74	
C-2813 Coquihalla Highway,Hope-Merritt Section,Great Bear 5 to Summit 45.8 km to 50.8 km		12,769,002.53	
C-2816 Coquihalla Highway,Hope-Merritt Section,production of aggregates from Godey Pit		25,186.38	
C-2825 Coquihalla Highway,Hope-Merritt Section,Juliet Creek-Coldwater Crossing 3,grading		4,713,128.02	

YALE-LILLOOET ELECTORAL DISTRICT (continued)

		$	$	$
C-2827	Coquihalla Highway,Hope-Merritt Section,crushing of base coarse aggregate from Brodie Pit		857,648.07	
C-2831	Coquihalla Highway,Hope-Merritt Section,Larson Hill to Coldwater Crossing 6,clearing,grubbing and grading 84.6 km to 89.35 km		5,092,813.70	
C-2834	Coquihalla Highway,Hope-Merritt Section,Coldwater Crossing 6 to Power Line Crossing,clearing, grubbing and grading 89.35 km to 95.6 km		8,879,511.45	
C-2837	Coquihalla Highway,Hope-Merritt Section,Trans Mountain Pipeline to Highway 5 interchange, 116.0 km to 118.9 km,clearing, grubbing and grading		2,013,391.80	
C-2838	Coquihalla Highway,Merritt-Kamloops Section,Merritt Bypass,clearing, grubbing and grading 5.0 km		6,344,398.78	
C-2839	Coquihalla Highway,Hope-Merritt Section,Kwinshatin Creek to Trans Mountain Pipeline 116.0 km to 118.9 km,clearing,grubbing and grading		7,553,717.76	
C-2840	Coquihalla Highway,Hope-Merritt Section,Salem Creek to Glenwalker 100.8 km to 105.9 km,grading		4,796,799.81	
C-2841	Coquihalla Highway,Hope-Merritt Section,Glenwalker to Kwinshatin Creek,105.9 km to 109.4 km,clearing grubbing and grading		2,506,385.63	
C-2843	Coquihalla Highway,Hope-Merritt Section,compressor station to Salem Creek 98.6 km to 100.8 km,grading		2,393,880.03	
C-2844	Coquihalla Highway,Hope-Merritt Section,Power Line Crossing to compressor station grading		2,506,326.11	
C-2851	Coquihalla Highway,Hope-Merritt Section,Coldwater Crossing 3 to Larson Hill,clearing and grubbing 77.8 km to 84.6 km		1,398.94	
C-2852	Coquihalla Highway,Hope-Merritt Section,Coldwater Crossing 3 to Larson Hill,grading 77.8 km to 84.6 km		15,244,912.27	
C-2853	Coquihalla Highway,Hope-Merritt Section,Ladner Creek to Shylock Landing,grading,clearing and grubbing		12,171,692.13	
C-2854	Coquihalla Highway,Hope-Merritt Section,Shylock to Portia, clearing,grubbing and grading		12,082,756.71	
C-2878	Coquihalla Highway,Merritt-Kamloops Section,Upper Nicola to Surrey Lakes,Tote Road construction		183,555.00	
C-2889	Coquihalla Highway,Hope-Merritt Section,guardrail production		6,973,883.81	
C-2891	Coquihalla Highway,Merritt-Kamloops Section,Merritt to Shuta Creek, clearing,grubbing 0 km to 10 km		4,763,518.43	
C-2896	Coquihalla Highway,Hope-Merritt Section,provide power to the Coquihalla Lakes area		628,335.02	
C-2917	Coquihalla Highway,Hope-Merritt Section,avalance works generally		463,222.42	
C-3060	Coquihalla Highway,Hope-Merritt Section - Summit Quarry, quarrying and crushing		1,621,546.57	

YALE-LILLOOET ELECTORAL DISTRICT (continued)

		$	$	$
C-3064	Coquihalla Highway,Hope-Merritt Section,post-construction environmental monitoring		230,183.55	
C-3071	Coquihalla Highway,Merritt-Kamloops Section,production of aggregates from Kirby Pit		759,765.94	
C-3074	Coquihalla Highway,Merritt-Kamloops Section,production of aggregates from Clark Creek Pit 2592		142,872.78	
C-3075	Coquihalla Highway,Merritt-Kamloops Section,production of aggregates from Section 29 Pit 2555		173,291.17	
C-3076	Coquihalla Highway,Merritt-Kamloops Section,production of aggregates from Walloper Pit 2556		990,609.15	
C-3086	Coquihalla Highway,Hope-Merritt Section,installation of telephone facilities		774,520.65	
C-3338	Coquihalla Highway,Hope-Merritt Section,toll booth plaza construction		2,204,443.12	
C-3354	Coquihalla Highway,Merritt-Kamloops Section,Shuta Creek to Kirby Creek,clearing,grubbing and grading		1,311,594.30	
C-3355	Coquihalla Highway,Merritt-Kamloops Section,Kirby Creek to 16.93 km,clearing,grubbing and grading		1,498,833.13	
C-3356	Coquihalla Highway,Merritt-Kamloops Section,16.9 km to Clapperton Canyon,clearing, grubbing and grading		580,815.18	
C-3357	Coquihalla Highway,Merritt-Kamloops Section,Clapperton Canyon to Helmer Lake,clearing, grubbing and grading		521,192.12	
C-3358	Coquihalla Highway,Merritt-Kamloops Section,Helmer Lake to Sussex Lake,clearing,grubbing and grading		159,563.34	
C-3393	Coquihalla Highway,Merritt-Kamloops Section,Sussex Lake to Desmond Lake		798,124.94	
C-3394	Coquihalla Highway,Merritt-Kamloops Section,Desmond Lake to Meadow Creek Road		637,363.49	
C-3395	Meadow Creek Road to Stake Lake		101,421.72	
C-3416	Coquihalla Highway,Merritt-Kamloops Section,Stake Lake to Peterson Creek (8.2 km)		661,767.59	
C-3417	Coquihalla Highway,Merritt-Kamloops Section,Peterson Creek to Rush Lake (4.8 km)		255,821.00	
C-3527	Coquihalla Highway,Merritt-Kamloops Section,Clapperton Canyon to Sussex Lake,clearing and grubbing		321,863.84	
C-3528	Coquihalla Highway,Merritt-Kamloops Section,Sussex Lake to Meadow Creek Road,clearing and grubbing (12.3 km)		377,795.76	
C-3529	Coquihalla Highway,Merritt-Kamloops Section,Meadow Creek Road to Stake Lake,clearing and grubbing		217,317.35	
C-3530	Coquihalla Highway,Merritt-Kamloops Section,Stake Lake to Rush Lake,clearing and grubbing		130,068.44	

YALE-LILLOOET ELECTORAL DISTRICT (continued)

	$	$	$
C-4478 Coquihalla Highway,Hope-Merritt Section,Boston Bar Creek Summit to Dry Gulch,construction 44.2 km to 48.7 km (4.5 km)		208,206.82	187,004,453.49
Roadside Development Branch:			
D-3681 Coquihalla Highway,Phases 1,2 and 3,roadside development			18,876.11
Avalanche Branch:			
M-3589 Coquihalla Highway, Avalanche control trams			191,007.66
Day Labour:			
C-2944 Coquihalla Highway,Hope-Merritt Section,Chilliwack District maintenance charges		565,760.23	
C-3363 Coquihalla Highway,Hope-Merritt Section,Merritt District maintenance charges		583,162.49	
C-3415 Coquihalla Highway,Merritt-Kamloops Section,Godey Creek Road, reconstruct		39,996.62	
C-3689 Coquihalla Highway,Merritt-Peachland Section,Tote Road construction (Westerly Section)		630,401.56	
C-3696 Coquihalla Highway,Hope-Merritt Section,Coldwater Interchange, rest area construction and paving		58,277.44	
C-3730 Coquihalla Highway,Merritt-Peachland Section,Loon Lake Road, improvements		99,975.98	1,977,574.32
Bridges:			
Bridge Branch:			
B-2789 Coquihalla Highway, Hope-Merritt Section, Nicolum Creek Bridge		5,190,769.79	
B-2797 Coquihalla Highway, Hope-Merritt Section, Jessica Bridge		1,634,785.72	
B-2818 Coquihalla Highway, Hope-Merritt Section, Dry Gulch Bridge		6,428,263.04	
B-2826 Coquihalla Highway, Hope-Merritt Section,Deneau Creek Bridge		153,813.36	
B-2829 Coquihalla Highway, Hope-Merritt Section, Peers Creek Bridge		1,541,453.20	
B-2830 Coquihalla Highway, Hope-Merritt Section, Portia Bridge		2,134,284.99	
B-2833 Coquihalla Highway, Hope-Merritt Section, Dewdney Creek Bridge		294,080.20	
B-2876 Coquihalla Highway, Hope-Merritt Section,Ladner Creek Bridge		6,478,289.08	
B-2879 Coquihalla Highway, Hope-Merritt Section,Juliet Creek Bridge and Bottletop Bridge		2,552,746.95	
B-2881 Coquihalla Highway, Hope-Merritt Section,Coquihalla Lakes Underpass and Henning Bridge		891,831.85	
B-2882 Coquihalla Highway, Hope-Merritt Section,Great Bear Snow Shed		11,584,906.50	
B-2884 Coquihalla Highway, Hope-Merritt Section, Kingsvale Bridge		1,569,530.11	
B-2885 Coquihalla Highway, Hope-Merritt Section,Kingsvale Overhead		2,388,906.06	
B-2886 Coquihalla Highway,Hope-Merritt Section, Carolin Bridge		1,452,728.88	

YALE-LILLOOET ELECTORAL DISTRICT (continued)

		$	$	$
B-2937	Coquihalla Highway, Hope-Merritt Section, Ottomite South Bridge and Ottomite North Bridge		2,487,328.85	
B-2939	Coquihalla Highway, Hope-Merritt Section,Murray, Brook, and Brodie Bridges		3,281,044.54	
B-3245	Coquihalla Highway,Hope-Merritt Section,Coquihalla Bridge,sidwalk addition		16,262.23	
B-3342	Coquihalla Highway,Hope-Merritt Section,Shylock Road Underpass		285,853.06	
B-3565	Coquihalla Highway,Merritt-Kamloops Section,Walloper Underpass		51,240.47	
B-3639	Coquihalla Highway,Merritt-Kamloops Section,Nicola Farm Bridge		75,735.86	50,493,854.74
Paving Branch:				
S-2965	Coquihalla Highway,Hope-Merritt Section,Nicolum Creek to Ladner Creek (19.5 km)		2,808,021.41	
S-2966	Coquihalla Highway,Hope-Merritt Section,Ladner Creek to Great Bear Snowshed (15.3 km)		1,767,498.43	
S-2967	Coquihalla Highway,Hope-Merritt Section,Great Bear Snowshed to Coldwater Crossing (3.16 km)		5,324,996.52	
S-2968	Coquihalla Highway,Hope-Merritt Section,Coldwater Crossing to Glenwalker (28.1 km)		4,435,249.48	
S-2969	Coquihalla Highway,Hope-Merritt Section,Glenwalker to Nicola Interchange (17.8 km)		2,764,927.48	
S-3746	Coquihalla Highway,Merritt-Kamloops Section,Nicola Interchange to Shuta Creek, and miscellaneous access roads (26.09 km)		270.23	17,100,963.55
Planning and Engineering Services:				
Traffic Branch:				
E-2867	Coquihalla Highway,Hope-Merritt Section,Merritt Bypass, lighting installation		67,835.32	
E-2868	Coquihalla Highway,Hope-Merritt Section,Nicolum Interchange,lighting installation		21,979.17	
E-2925	Coquihalla Highway,Hope-Merritt Section,Great Bear Snowshed,lighting installation		365,512.89	
E-2948	Coquihalla Highway,Hope-Merritt Section,Coldwater Crossing 6 to Power Line Crossing, lighting and signing installation		9,948.01	
E-2949	Coquihalla Highway,Hope-Merritt Section,Coldwater Road Interchange,lighting installation		10,827.10	
E-2954	Coquihalla Highway,Hope-Merritt Section,Shylock-Portia (Portia Interchange)		4,228.15	
E-2970	Coquihalla Highway,Hope-Merritt Section,Peers Creek to Ten Mile Creek,lighting and signing installation		30,481.38	
E-2971	Coquihalla Highway,Hope-Merritt Section, 1) Boston Bar Creek Summit to Dry Gulch 2) Dry Gulch to Mine Creek 3) Juliet Creek to Coldwater Crossing,street lighting		337,776.59	

YALE-LILLOOET ELECTORAL DISTRICT (continued)

		$	$	$
E-3570	Coquihalla Highway,Hope-Merritt Section,Ottomite Bridge,deck heating		56,435.06	
E-3575	Coquihalla Highway,Hope-Merritt Section,Dry Gulch to Mine Creek,lighting installation		152.04	
E-3576	Coquihalla Highway,Hope-Merritt Section,Juliet Creek to Coldwater Crossing 3,lighting and signing installation		13,816.28	
E-3624	Coquihalla Highway Driver information display system		2,719.61	
E-3679	Coquihalla Highway,Hope-Merritt Section,Coldwater Crossing 3 to Larson Hill, lighting and signing installation		44,486.75	
E-3680	Coquihalla Highway,Hope-Merritt Section,Sowaqua Creek to Ladner Creek,lighting and signing installation		154.38	
E-3691	Coquihalla Highway,Merritt-Kamloops Section,Meadow Creek to Stake Lake,lighting installation		1,546.23	
E-3692	Coquihalla Highway,Merritt-Kamloops Section,Moose Lake to Route 1,lighting installation		526.27	
E-3728	Coquihalla Highway,toll booths plaza lane control system		2,269.36	970,694.59
Geotechnical and Materials Engineering Branch:				
G-2685	Coquihalla Highway, Hope-Merritt Section, Geotechnical and Materials Engineering		1,065,997.10	
G-2897	Coquihalla Highway,Merritt-Kamloops Section, Geotechnical and Materials Engineering		193,106.29	
G-3397	Coquihalla Highway,Merritt-Peachland Section,Geotechnical and Materials Engineering		57,717.92	1,316,821.31
Highway Design and Surveys Branch:				
L-2696	-Coquihalla Highway,Abbotsford-Hope Section,Floods to Hope	177,553.00		
	-Coquihalla Highway,Hope-Merritt Section,Box Canyon-Summit	3,399.28		
	-Coquihalla Highway,Hope-Merritt Section,Coldwater Crossing 3 to Larson Hill	2,843.56		
	-Coquihalla Highway,Hope-Merritt Section,general expenses	271,618.59		
	-Coquihalla Highway,Hope-Merritt Section,Glenwalker-Highway 5 Interchange	2,436.26		
	-Coquihalla Highway,Hope-Merritt Section,Hope to Nicolum Creek	1,707.17		
	-Coquihalla Highway,Hope-Merritt Section,intersection of Hwy. 1 and Highway 5 at Kamloops	82,350.28		
	-Coquihalla Highway,Hope-Merritt Section,Ladner to Portia	26,158.65		
	-Coquihalla Highway,Hope-Merritt Section,Larson Hill - Power Line Crossing	17,019.79		
	-Coquihalla Highway,Hope-Merritt Section,Merritt Bypass	15,934.21		
	-Coquihalla Highway,Merritt-Kamloops Section,Merritt to Kamloops	147.00		
	-Coquihalla Highway,Hope-Merritt Section,Portia-Box Canyon	18,663.95		

YALE-LILLOOET ELECTORAL DISTRICT (continued)

		$	$	$
	-Coquihalla Highway,Hope-Merritt Section,Power Line Crossing - Glenwalker	1,559.48	621,391.22	
L-3134	Coquihalla Highway,Merritt-Kamloops Section,Highway Design and Surveys Highway 5	1,064.60		
	-Afton Mine to Aberdeen	607,988.40		
	-Clapperton Canyon to Sussex Lake	201,559.13		
	-Coquihalla Highway,Highland Valley Offsite Section,Sussex Lake to Meadow Creek Road	421,726.58		
	-General Expenses	139,371.74		
	-Meadow Creek Road to Stake Lake	313,987.07		
	-Merritt to Shuta Creek	11,529.93		
	-Shuta Creek to Clapperton Canyon	333,106.67		
	-Stake Lake to Sugarloaf	584,242.53		
	-Sugarloaf to Trans Canada Highway 1	408,077.00	3,022,653.65	
L-3135	Coquihalla Highway,Merritt-Peachland Section,			
	-General expenses	54,094.09		
	-Johns Creek to Power Line Crossing	19,257.25		
	-Pothole Creek to The Wart	159,595.11		
	-Power Line Crossing to Brenda Mine	96,384.76		
	-The Wart to Johns Creek	32,677.04	362,008.25	4,006,053.12
Property Services Branch:				
P3227	Rights-of-way and property purchases			
	-Coquihalla Highway, Highway 8, Offsite Section, Spences Bridge		101,488.91	
	-Coquihalla Highway,Hope-Merritt Section,Merritt Bypass		512,766.72	
	-Coquihalla Highway,Merritt-Kamloops Section,Desmond Lake to Meadow Creek Road		101,162.50	
	-Coquihalla Highway,Merritt-Kamloops Section,Meadow Creek Road to Stake Lake		32,813.00	
	-Coquihalla Highway,Merritt-Kamloops Section,Merritt to Shuta Creek		1,051,210.79	
	-Coquihalla Highway,Merritt-Kamloops Section,Shuta Creek-Clapperton Canyon		560,619.48	
	-Coquihalla Highway,Hope-Merritt Section,Trans Mountain Pipeline to Highway 5A Interchange		92,628.66 CR	2,267,432.74
Total, Yale-Lillooet Electoral District				$346,475,616.67

REPORT OF THE DIRECTOR OF AIR SERVICES

J. Taylor, Acting

The Air Services Branch, which operates with a fleet of five Cessna Citation aircraft and two Beechcraft A-200 aircraft, provided air ambulance and passenger transportation for Provincial Government ministries in the fiscal year 1985/86. This report records aircraft statistics in "air hours" to conform with new Branch policy adopted at the beginning of the fiscal year. Previous reports recorded statistical information in "flight hours". To convert air hours to flight hours for comparison purposes, the following formula applies:

Air hours + 24% = Flight hours

Air ambulance, being the prime requirement, logged a total of 2,421.5 air hours in the fiscal year. There were 955 ambulance flights operated during which 1,712 patients were transported.

Transportation flights logged 2,018.5 air hours and carried a total of 7,401 passengers. The transportation role included a scheduled flight service between Victoria/Vancouver/Victoria with 12 round trips per week and a late evening flight was added as required when the house was in session. The schedule flight service operated with an average load factor of 37.84%.

Use of aircraft by percentages:

Air ambulance	52.0%
Transportation	43.35%
*Miscellaneous	4.65%

* Includes training, test flights and ferry of aircraft. The flight simulator logged 129.4 hours.

Chargeback recoveries for transportation flights totalled $172,135 for the fiscal year which reflects an increase from the previous year due to the higher use of aircraft for transportation flights.

A Cessna Citation, previously operated by B.C. Hydro, was added to the fleet to increase capacity and provide more time for air ambulance and transportation services.

Aircraft Air Hours

Beechcraft (2)	1,054.2 air hours
Citation (5)	3,563.8 hours

Air Ambulance Flights

Number of flights	955
Number of patients	1,712
Air time	2,421.5 air hours
Mileage	626,093

Passenger Flights

Total passengers carried	7,401
Passengers on scheduled flights	3,249
Passengers on non-scheduled flights	4,152

Overall Operating Statistics

Total aircraft air hours	4,656.5
Total passenger hours	2,018.5
Air ambulance hours	2,421.5
Miscellaneous (Training, Tests, Ferry)	216.5

Simulator

Total Simulator hours	129.4

REPORT OF THE DIRECTOR OF PROPERTY SERVICES

A. C. Brown

Property acquisitions, leases and easements totalled 1,091, with a further 1,206 in process of negotiations.

Expenditures for right-of-way purposes and other properties required by the Ministry totalled $28,352,440.01.

A total 1,152 gazettes establishing rights-of-way were processed by publication of notice in the British Columbia Gazette and a total of 94 closures were made by similar procedure.

No arbitrations were heard this year.

Research is ongoing through all Indian Reserves in the Province to establish legality of public roads in each reserve.

Surplus lands have been disposed of as follows:

31 parcels transferred to Lands, Parks & Housing
8 parcels transferred to Municipalities
78 parcels of closed road transferred.

GAZETTES

	Establishing	Closures
Region 1	356	17
Region 2	322	30
Region 3	118	15
Region 4	183	15
Region 5	79	5
Region 6	94	12

REPORT OF THE DIRECTOR OF BUILDING SERVICES

D. Grey, M.C.I.Q.S.

Fiscal year 1985/86 was an active one for the Building Services Branch due to the rapid progress of the Coquihalla and Annacis projects.

The Coquihalla Toll Booth Plaza, which was designed by Branch staff, broke new ground in money-handling, financial reporting, computer-controlled slab-heating, and security systems. The early onset of severe winter conditions compelled the branch to take a number of extraordinary measures such as heated enclosures to ensure that the contractor was able to complete construction work in time for the Highway opening. In this we were successful.

Detailed functional programmes and layouts for the following projects were completed, and construction work commenced on:

Electrical Shop, Langford
New District Yard, Merritt
New Camp and Yard, Coldwater
New District Yard, Nordel, Annacis
New District Yard, McBride

In addition, programmes and floor plans were prepared for the following:

New Regional Garage & Roads Building, Kamloops
New Shop and Yard, Grassy Plains
Regional Garage, Nanaimo
Storage Building, Birch Island

Working drawings were completed for:

Weigh Scale Station, Pacific Highway
Weigh Scale Station, Annacis

The modular and detail standardization of our four basic yard buildings, on which we have made considerable efforts, is now providing dividends in terms of reduced design and construction costs as well as in the speed with which our projects are put together.

In addition to the foregoing projects, some 368 improvement projects were planned, priced, and carried out with drawings and specifications prepared by branch staff. These included computerized fuel-dispensing systems, vehicle exhaust systems, salt sheds, increased fuel storage, yard and shop lighting, computer cabling and correction of safety hazards. These involved structural, architectural, electrical, heating, ventilating, and air-conditioning work.

The computer system which was designed the previous year and now in operation proved its value for inventory, improvements, space and financial control.

REPORT OF THE SENIOR INFORMATION OFFICER

W. S. Allen

This Branch provides an information service to the public and media through the means of news releases, advertising programs, publications, telephone inquiries and answering correspondence.

During the year personnel wrote and arranged for the distribution of 471 news releases, some to local media in various regions of the province and others for the Press Gallery in Victoria.

Special assignments included making arrangements for official functions involving the Mary Hill Bypass, Pritchard Bridge, Lions Gate Bridge, Clayhurst Bridge, Cog Harrington Bridge, Vanderhoof Airport, Abbotsford and Langley Motor Licence Offices, Klatawa ferry conversion to propane. In addition, media were taken on tours of the Coquihalla Highway and the Annacis System. The latter involved two ceremonies - flag raising at the South Tower and "Bridging the Gap."

Other duties included communications budget preparation, arranging press conferences and coordinating advertising programs for road and bridge closures as well as official openings and public information "open houses".

The branch also handled an average of 100 phone calls a week from the public, media and other ministries.

The Ministry of Tourism was again given assistance in the preparation and production of the provincial government road map. In addition, staff edited and produced the annual report as well as the Branch statistical report, advised and assisted on Ministry pamphlets, updated directories, prepared special reports and answered correspondence directed to the Minister and other senior Ministry officials.

REPORT OF THE CONTRACT DOCUMENTS OFFICER

R.A. Fisher

The 1985/86 fiscal year has again been a very productive year with a total of 177 contracts being advertised surpassing the previous years total of 175 contracts. These high volumes are attracting more and more Contractors into acquiring documentation therefore our production quantities have increased accordingly. However, the increased interest has also been reflected in the keen competitive bidding giving the Ministry good dollar value for the work done.

Of the 52 grading contracts, 26 were for the continuing construction program of the Coquihalla Highway. The remainder were the Annacis Highway, Richmond East/West Freeway, Garibaldi Highway 99 and Highway 97 in the Westbank and Vernon areas.

There were 41 bridge contracts mainly for structures on the Annacis Highway but also included the Boston Bar Bridge, the Fraser River Bridge at Prince George on Highway 16, the Alberta Creek Bridge on the Garibaldi Highway 99 at Lions Bay and the Great Bear Snowshed on the Coquihalla Highway and other minor structures.

The asphalt surfacing contracts totalled 38 and included the paving of Phase I of the Coquihalla Highway and parts of the Trans-Canada Highway 1 connected thereto, also other sections of highways and miscellaneous roads throughout the Province.

The remaining contracts consisted of gravel crushing for winter maintenance and day labour construction, electrical which included the lighting of the Great Bear Snowshed and landscaping in the highway beautification program.

Naturally the high contract production has of course originated from the production of other Ministry branches and consultants. To increase the efficiency of this branch in providing a plan production and reproduction service to the Ministry, a xerox plan printer was purchased. In less than a year, the usage of the machine together with the quality and accuracy of the end product has proven the purchase to be a good investment and certainly improved the productivity of the branch.

The Ministry library has again been very active and continues to grow in content. In the last eight years or since it was first established, the growth rate has been approximately 400 percent.

Word processing has been expanded to incorporate the mathematical checking and production of all progress estimates from which payments are made to Contractors for work done. The use of this equipment in the production of contract documentation, manuals, reports and other material has proven to be invaluable.

P.C. units are now being introduced to improve our system of keeping records and our communications with other offices in the Ministry. The saving of time and effort together with accuracy is of prime importance to this branch.

CONTRACT STATISTICS

SUMMARY BY ELECTORAL DISTRICTS OF GRADING, BRIDGE, PAVING, CRUSHED GRAVEL, AND MISCELLANEOUS FORMAL CONTRACT PROJECTS ADVERTISED AND AWARDED IN THE FISCAL YEAR

Electoral District	Project	
Atlin	Bridge:	
	B-3380	Construction of Thomas Creek Bridge No. 7798, Stewart-Cassiar Highway 37
	B-3381	Beaverpond Creek Bridge No. 2511 Stewart-Cassiar Highway 37
	B-3382	Spruce Creek Bridge No. 7624 Stewart-Cassiar Highway 37
	Grading:	
	C-3353	Construction and Multiplate Installation Cousins Creek, Highway 37 (0.67 km)
	Gravel Crushing:	
	M-3000-0026	Bear Creek and Minto Pits, Dease Lake
	M-3000-0031	Airstrip, Devils Creek, Callison and Stikine North Pits, Dease Lake
	M-3000-0040	Dome Airstrip Pit, American Creek Pit and District of Stewart Pit, Prince Rupert
Boundary-Similkameen	Bridge:	
	B-3555	Atwood Bridge No. 1234 Atwood East Gilpin Road
	Gravel Crushing:	
	M-3000-0015	Boltz and Badger Pits and Rock Creek Yard, Grand Forks
	Paving:	
	S-3812	Highway 3A from Keremeos to Yellow Lake and Sections of Highway 3 from Keremeos to Nighthawk Junction (32.25 km)
Burnaby North	Bridge:	
	B-3554	Second Narrows Crossing No. 1459 Taylor Way to Cassiar St., Wind Anchors Modification
Burnaby-Willingdon	Bridge:	
	B-3521	Patterson Avenue Pedestrian Overpass No. 2771
Cariboo	Gravel Crushing:	
	M-3000-0004	Airport Pit, Quesnel
	M-3000-0009	Hanson Pit, Quesnel
	M-3000-0013	Towdystan and McClinchy Pits, Williams Lake
	M-3000-0017	Bull Canyon Pit, Williams Lake
	M-3000-0018	Raysland Pit, Quesnel
	M-3000-0030	Spencer and Harrington Pits, Quesnel
	M-3000-0032	Green Lake 83 Mile Pit, Jewell Pit, Sheridan Lake Pit and Scott Pit, 100 Mile House
	Paving:	
	S-2820	Junction of Barkerville Road (Highway 26) to Plett Road (47.10 km), Cariboo Highway 97
	S-3230	Williams Lake Highways District Miscellaneous Roads (13.8 km)
	S-3326	Likely Road (45.2 km), Williams Lake
	S-3418	100 Mile House Miscellaneous Roads (8.69 km)
	S-3421	Highway 97: Cariboo Lac La Hache Campsite to Hinsche Road and Miscellaneous Roads (24.1 km)
	S-3423	Nazko Road: Tibbles Road to Krestenuk Road (57.0 km): Tibbles Road: Nazko Road Southwards (7.5 km)

Electoral District	Project	
Cariboo (cont'd)	Paving: (cont'd)	
	S-3425	Blackwater Road, West of Quesnel: Katzel Road to Pinnacles Road (6.67 km)
	S-3541	Cariboo Highway 97: 83 Mile House Area (2.84 km)
Central Fraser Valley	Bridge:	
	B-3556	Old Clayburn Underpass No. 2806, Abbotsford Bypass
	Grading:	
	C-2872	Construction of Whatcom Interchange and Underpass on Trans-Canada Highway 1
Chilliwack	Bridge:	
	B-1821	Replacement of Expansion Bearings of the Agassiz-Rosedale Bridge No. 1287
	Grading:	
	C-2873	Construction of Popkum Interchange, Popkum Road Underpass, Anderson Creek Bridge No. 2855 and Anderson Creek Bridge No. 1538 Widening
Comox	Bridge:	
	B-3684	Reconstruction: Ralph River Bridge Approaches and Ralph River Bridge: Western Mines Rd. No. 690
	Gravel Crushing:	
	M-3000-0016	Raven and Ladore Pits, Courtenay
	M-3000-0019	Denman Island Highways Yard, Comox
	M-3000-0025	Bold Point Pit, Quadra Island
Coquitlam-Moody	Bridge:	
	B-2408	Mary Hill Bypass Overhead No. 2678 Cape Horn to Pitt River Highway
Cowichan-Malahat	Gravel Crushing:	
	M-3000-0029	Thetis Island Highways Yard, Nanaimo
Delta	Bridge:	
	B-2795	Nordel Underpass No. 2761, Annacis Highway
	B-2796	84th Avenue BNR Overhead No. 2821, Annacis Highway
	B-3032	Watershed Park Overpass No. 2870, Annacis Highway
	B-3034	Highway 10 BNR Overhead Highway 10 Access Ramp BNR Overhead, Annacis Highway
	B-3346	Annacis Bridge No. 2753, Annacis Highway, Parapet Railing North & South Approaches Sidewalk North Approach
	B-3391	Cleaning & Coating George Massey Tunnel
	B-3531	Mud Bay Overpass No. 2757, Annacis Highway
	B-3641	Mud Bay B.C. Rail Overhead No. 2755 Annacis Highway
	Grading:	
	C-2807	Construction 64th Avenue Connector, Annacis Highway (1.929 km)
	C-2931	Construction 64th Avenue Interchange to Nordel Interchange (3.02 km) Annacis Highway, River Road (0.46 km), River Road Connector (1.47 km), 84th Avenue Connector (0.71 km) & 72nd Avenue (0.83 km)
	C-2964	Queensborough Grading and Paving, Annacis Highway
	C-2986	Construction of Highway 10 Watershed Park Interchange to Scott Road (1.33 km), Annacis Highway
	C-3003	Construction Nordel Interchange 84th/88th Avenue Connectors, Annacis Highway

Electoral District	Project	
Delta (cont'd)	Grading:	
	C-3089-0001	Construction Highway 10 Interchange to 64th Avenue Interchange, Annacis Highway
	C-3090	Construction BNI/BCR Track Relocations for Annacis Highway
	C-3600	Annacis Highway: Grading & Paving: Highway 99 Interchange to Highway 10 Interchange
	C-3602	Soil Densification Mud Bay, Highway 99 Overpass Mud Bay B.C. Rail Overhead
	Miscellaneous:	
	E-3624	Driver Information Display System: Coquihalla Highway Section: Yale-Lillooet, Kamloops
	Paving:	
	S-3258	Scott Road Intersection Improvements: Highway 10 to 84th Avenue
Dewdney	Bridge:	
	B-3023	Albion and McMillan Island Ferry Terminals, Replacement of Ramps, Aprons & Pontoons
Kamloops	Grading:	
	C-3396	Production of Aggregates Timber Lake Pit 2191, Coquihalla Highway Phase II
	C-3417	Construction Peterson Creek to Rush Lake (4.83 km), Coquihalla Highway Phase II
	C-3530	Merritt-Kamloops: Clearing & Grubbing, Stake Lake to Rush Lake (12.93 km), Coquihalla Highway
	C-3558	Merritt-Kamloops, Construction: Rush Lake to Moose Lake Including Ajax Overpass (4.347 km), Coquihalla Highway
	C-3559	Merritt-Kamloops: Construction: Moose Lake to Highway 1 (4.993 km), Coquihalla Highway
	Gravel Crushing:	
	M-3000-0012	Blue River Yard Pit, McBride
	M-3000-0023	Five Pits in Kamloops
	Paving:	
	S-2975	Highway 1 Cache Creek to Thompson River Bridge at Savona (33.7 km)
	S-2998	Highway 5 Louis Creek to Littlefort ([illegible]6.82 km)
	S-3226	Highway 5 from Blackpool to Raft River Bridge and Miscellaneous Roads in Clearwater Area (29.0 km)
Kootenay	Gravel Crushing:	
	M-3000-0002	Moir Pit, Cranbrook and Husband Pit, Creston
	M-3000-0022	Olsen, Elko Sand and Tunnel Pits, Fernie
	Paving:	
	S-0084-3513	Crushed Granular Graded Seal Aggregate In Stockpile Ta Ta Creek Pit, Cranbrook
	S-2984	Cranbrook North Interchange Highways 3 & 95A Miscellaneous Paving Work on Highway 3 and Van Horne Avenue
Langley	Bridge:	
	B-3023	Albion and McMillan Island Ferry Terminals, Replacement of Ramps, Aprons & Pontoons
Mackenzie	Gravel Crushing:	
	M-3000-0006	Nusatsum and Atnarko Pits, Williams Lake

Electoral District	Project	
Maillardville-Coquitlam	Bridge:	
	B-2387	Coquitlam River Bridge No. 2696, Mary Hill Bypass
Nelson-Creston	Gravel Crushing:	
	M-3000-0002	Moir Pit, Cranbrook and Husband Pit, Creston
	M-3000-0027	Stoney Creek and Donnelly's Pits, New Denver
	M-3000-0039	Erie Pit, Nelson
New Westminster	Bridge:	
	B-1420	Contract No. 3 Patullo Bridge Retrofitting; South Approach Bearing Replacement Bent No's 15, 16, 19, & 20
	B-3102	Highway 10 Underpass No. 2756, Annacis Highway
	B-3346	Annacis Bridge No. 2753, Annacis Highway, Parapet Railing North & South Approaches Sidewalk North Approach
	B-3407	Boundary Road Overpass No. 2812, Annacis Highway
	B-3670	Thompson Road Pedestrian Overpass No. 2820, Annacis Highway
	Grading:	
	C-2964	Queensborough Grading and Paving, Annacis Highway
	Miscellaneous:	
	E-3609	Signal, Lighting, Signing and Deck Heating Control Installation: Annacis Highway, Cliveden Interchange, Delta
	Paving:	
	S-2979	Highways 1A and 99A: Pattulo Bridge Resurfacing (1.50 km)
North Island	Gravel Crushing:	
	M-3000-0024	Woss and 4 Mile Pits, Courtenay
North Peace River	Bridge:	
	B-2302	Clayhurst Bridge No. 2719 Clayhurst-Rolla Road No. 43
	Gravel Crushing:	
	M-3000-0005	Imperial Pit, Fort St. John
	M-3000-0007	D.L. 205 and Craik Pits, Fort St. John
	M-3000-0011	Fort Nelson Main Pit, Fort St. John
	M-3000-0020	Wilde (Pugh) Pit, Fort St. John
	Paving:	
	S-0084-4461	Crushed Granular Aggregate in Stockpile: Miscellaneous Pits, Fort St. John
	S-3420	Alaska Highway 97: Road 269 to Highway 29 (8.70 km) and Miscellaneous Fort St. John Area Roads (26.30 km)
North Vancouver-Seymour	Bridge:	
	B-3554	Second Narrows Crossing No. 1459 Taylor Way to Cassiar St., Wind Anchors Modification
Okanagan North	Grading:	
	C-3619	Construction of the Oyama to Bailey Road Section 6.985 km of Okanagan Highway 97 to Four Lanes
	Gravel Crushing:	
	M-3000-0027	Stoney Creek and Donnelly's Pits, New Denver
	M-3000-0035	Hankey-Darby and Baird Pits, Vernon

Electoral District	Project	
Okanagan South	Grading:	
	C-3432	Reconstruction Westbank to North Boundary I.R. No. 9 (3.72 km) Okanagan Highway 97
	C-3433	Reconstruction East Boundary Road and Boucherie Road, Westbank-Kelowna (1.79 km)
	Miscellaneous:	
	D-3095	Contract No. 1: Highway 97, Westbank Couplet, Landscape Development
Omineca	Gravel Crushing:	
	M-3000-0014	Prine Pit and Lind Lake Pits, Vanderhoof
	M-3000-0037	Six Mile Pit, Burns Lake
	Paving:	
	S-3410	Vanderhoof Airport Run-Way Extension
Prince George North	Grading:	
	C-2135-0002	Bear Lake to Red Rocky Creek, Highway 97 - Wick Drain Construction
Prince George South	Bridge:	
	B-3255	Yellowhead Fraser River Crossing No. 2808, Yellowhead Highway 16
	Gravel Crushing	
	M-3000-0036	Lower Mud River and Pinko Pits, Prince George
Prince Rupert	Gravel Crushing:	
	M-3000-0034	251 Kaien Island Road, Prince Rupert
Richmond	Bridge:	
	B-3040	Westminster Highway Underpass Improvements, Highway 99
	B-3390	Jacombs Road Underpass No. 2861, Richmond East-West Freeway
	B-3391	Cleaning & Coating George Massey Tunnel
	B-3677	Garneau Flyover No. 2863, Richmond East/West Freeway
	Grading:	
	C-2964	Queensborough Grading and Paving, Annacis Highway
	C-2999	Construction Jacombs Road Approach Fills and Preload (0.415 km) Richmond East/West Freeway
	C-3026	Westminster Intersection Grade Construction, Annacis Highway
	C-3065	Construction Jacombs Road to Hamilton Interchange Section 1, Richmond East/West Freeway (1.59 km)
	C-3262	Construction Shell Road to Jacombs Road on Richmond East/West Freeway Detour Contract #1
	C-3409	Richmond Grading & Paving, Annacis Highway
	C-3428	Construction Jacombs Road to Hamilton Interchange Section 2 (4.11 km) Richmond East/West Freeway
	C-3429	Construction Jacombs Road to Hamilton Interchange Section 3 (2.158 km), Richmond East/West Freeway
	C-3561	Densification: Richmond East/West Freeway Highway 99 to No. 6 Road
	C-3562	Construction: Richmond East/West Freeway Knight Street-Cambie Road-Bridgeport Interchange (1.050 km)
Rossland-Trail	Paving:	
	S-2977	Columbia Avenue Curb and Gutter and Miscellaneous Paving on Highway 3B & Highway 22 (22.65 km)

Electoral District	Project	
Saanich & The Islands	Gravel Crushing:	
	M-3000-0021	Gulf Islands, Saanich Highway District
	M-3000-0041	Gulf Islands, Saanich Highway District
	Paving:	
	S-3717	Patricia Bay Highway 17: McKenzie Avenue to Sayward Road (7.7 km)
	S-3721	Saltspring Island and Galiano Island Miscellaneous Roads (26.67 km)
Shuswap-Revelstoke	Bridge:	
	B-3345	St. Cyr Creek Bridge No. 2800, Revelstoke-Mica Highway 23
	Miscellaneous:	
	E-3624	Driver Information Display System: Coquihalla Highway Section: Yale-Lillooet, Kamloops
	Gravel Crushing:	
	M-3000-0035	Hankey-Darby and Baird Pits, Vernon
	Paving:	
	S-0084-2254	Pavement Recycling/Resurfacing: Highway 97: Schweb's Bridge to Pinaus Lake: 26.84 km
Skeena	Paving:	
	S-2983	Highway 37: Kitimat to Onion Lake (33.79 km)
	S-3249	Highway 16 Intermittent Paving East of Terrace: Chimdemash Creek to Carnaby Crossing (16.0 km)
South Peace River	Bridge:	
	B-2302	Clayhurst Bridge No. 2719 Clayhurst-Rolla Road No. 43
	Gravel Crushing:	
	M-3000-0008	Patnode, Bassey and Bullmoose Pits, Dawson Creek
	M-3000-0010	Johnson Pit, Dawson Creek
	Paving:	
	S-0084-4361	Crushed Granular Aggregate in Stockpile, Miscellaneous Pits, Dawson Creek
	S-3228	Dawson Creek Highways District: Heritage Highway Fellers Heights-Brassey Creek (12.2 km)
	S-3229	Highway 97 East Pine Tracklane: Jackfish Lake Road & West Fraser Mill Road: Dawson Creek Highways District (14.9 km)
	S-3254	Highway 97 North and South of Chetwynd (20.6 km)
	S-3526	Heritage Highway: Tumbler Ridge - Quality Creek (8.0 km)
Surrey	Bridge:	
	B-1420	Contract No. 3 Patullo Bridge Retrofitting; South Approach Bearing Replacement Bent No's 15, 16, 19, & 20
	Grading:	
	C-2986	Construction of Highway 10 Watershed Park Interchange to Scott Road (1.33 km), Annacis Highway
	C-3090	Construction BNI/BCR Track Relocations for Annacis Highway
	C-3123	Construction of Weigh Scale Facility, Pacific Highway 15 at U.S. Border
	C-3600	Annacis Highway: Grading & Paving: Highway 99 Interchange to Highway 10 Interchange
	Paving:	
	S-2979	Highways 1A and 99A: Pattulo Bridge Resurfacing (1.50 km)
	S-3258	Scott Road Intersection Improvements: Highway 10 to 84th Avenue

Electoral District	Project	
Vancouver East	Bridge:	
	B-3554	Second Narrows Crossing No. 1459 Taylor Way to Cassiar St., Wind Anchors Modification
West Vancouver-Howe Sound	Bridge:	
	B-2409	Alberta Creek Bridge No. 1463 and Approaches, Garibaldi Highway 99, Contract No. 1 - General
	B-2947	Lion's Gate Bridge No. 1481 Modifications: Installation of Hand Strands on Main Cables Installation of Ornamental Lighting
	B-2963	Lion's Gate Bridge Modifications Installation of Protection Berm for North Main Pier
	B-3339	Contract No. 1: Lion's Gate Bridge No. 1481 Modifications: Tower Repairs
	B-3339	Contract No. 2: Lions' Gate Bridge No. 1481 Modifications suspended spans Sidewalk Repairs
	Grading:	
	C-3027	Reconstruction of Newman Creek Channelization, Bridge and Approaches, Garibaldi Highway 99
	C-3036	Reconstruction of Lions Bay Interchange and Harvey Creek Channelization and Bridges (0.684 km), Garibaldi Highway 99
Yale-Lillooet	Bridge:	
	B-2347-0003	Boston Bar Bridge No. 1535 Boston Bar to North Bend Access Contract No. 4 Deck Spans 2, 3, 4, and 5
	B-2882	Great Bear Snow Shed No. 2850, Coquihalla Highway
	B-2899	Rattlesnake Bridge No. 677 Spences Bridge to Merritt Highway
	B-2937	Ottomite South Bridge No. 2852 & Ottomite North Bridge No. 2884, Coquihalla Highway
	B-3094	Berkey Creek Bridge No. 1207 Hope-Princeton Highway
	B-3342	Shylock Road Underpass No. 2834, Coquihalla Highway
	Grading:	
	C-3016	Construction of Hunter Creek Interchange, Trans-Canada Highway 1 and Adjacent Service Roads
	C-3060	Summit Quarrying and Crushing, Coquihalla Highway
	C-3071	Production of Aggregates in Kirby Creek Pit 2593, Coquihalla Highway-Merritt to Kamloops Phase II
	C-3074	Production of Aggregates in Clark Creek Pit 2592 Coquihalla Highway Phase II
	C-3075	Production of Aggregates in Section 29, Pit 2555, Coquihalla Highway Phase II
	C-3076	Production of Aggregates in Walloper Pit 2556, Coquihalla Highway Phase II
	C-3338	Construction of Toll Booth Plaza, Coquihalla Highway
	C-3354	Construction Shuta Creek to Kirby Creek (5.503 km) Coquihalla Highway Phase II
	C-3355	Construction Kirby Creek to km 16.93 (2.33 km) Coquihalla Highway Phase II
	C-3356	Construction km 16.9 to Clapperton Canyon (3.595 km) Coquihalla Highway Phase II
	C-3357	Construction Clapperton Canyon to Helmer Lake (6.19 km) Coquihalla Highway Phase II
	C-3358	Construction Helmer Lake to Sussex Lake (5.48 km) Coquihalla Highway Phase II
	C-3393	Construction Sussex Lake to Desmond Lake (7.30 km) Coquihalla Highway Phase II
	C-3394	Construction Desmond Lake to Meadow Creek Road (4.96 km) Coquihalla Highway Phase II
	C-3416	Construction Stake Lake to Peterson Creek (8.10 km) Coquihalla Highway Phase II
	C-3527	Coquihalla Highway Merritt to Kamloops Clearing & Grubbing - Clapperton Canyon to Sussex Lake (11.67 km)
	C-3528	Coquihalla Highway: Merritt-Kamloops: Clearing & Grubbing: Sussex Lake to Meadow Creek Road (12.3 km)
	C-3529	Clearing & Grubbing: Meadow Creek to Stake Lake Section: Coquihalla Highway (6.53 km)

Electoral District	Project	
Yale-Lillooet (cont'd)	Miscellaneous:	
	E-2925	Electrical Installations: Coquihalla Highway: Box Canyon - Great Bear No. 5: Great Bear Snowshed
	E-2971	Lighting and Signing Installations: Coquihalla Highway: Great Bear No. 5 to Dry Gulch
	Gravel Crushing:	
	M-3000-0001	Forestry and Morris Valley Pits, Chilliwack
	M-3000-0003	Glade and Proctor Pits, Nelson
	M-3000-0028	Stevens and Logan Lake East Pits, Merritt
	M-3000-0033	Florence Pit, Chilliwack
	M-3000-0038	Coldwater Pit, Merritt
	Paving:	
	S-2965	Coquihalla Highway: Nicolum Creek to Ladner Creek (20.15 km)
	S-2966	Coquihalla Highway: Ladner Creek to Great Bear No. 5 (15.26 km)
	S-2967	Coquihalla Highway: Great Bear No. 5 to Murrary Bridge (31.61 km)
	S-2968	Coquihalla Highway: Murray Bridge to Glenwalker (29.07 km)
	S-2969	Coquihalla Glenwalker to Nicola Interchange (17.98 km)
	S-2973	Trans-Canada Highway 1: American Creek to Gordon Creek & Yale Tunnel Approaches (14.14 km)
	S-2974	Sections of Highway 1 from Jackass Mountain to Boston Flats and Campbell Hill Airport (23.31 km)
	S-2975	Highway 1 Cache Creek to Thompson River Bridge at Savona (33.7 km)
	S-3737	Highway 1 Sections: Ferrabee Tunnel to Jackass Mountain & Paving to North Bend (15.79 km)

TENDERS RECEIVED AND CONTRACTS AWARDED

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
ROADS		
Project C-2135-0002: Bear Lake to Red Rocky Creek, Highway 97 Wick Drain Construction, Prince George North Electoral District		
Deep Foundation Contractors-Thornhill, Ont.	247,808.00	Awarded
Western Caissons Ltd.-Port Coquitlam	380,210.00	
Project C-2807: Construction 64th Avenue Connector, Annacis Highway (1.929 km) Delta Electoral District		
Bel Construction Ltd.-Surrey	880,748.20	Awarded
Miller Contracting Ltd.-Langley	885,212.00	
H.B. Contracting Ltd.-Surrey	912,438.57	
United Contractors Ltd.-New Westminster	917,026.38	
Goodbrand Construction Ltd.-Aldergrove	1,036,348.00	
Riverside Excavating Ltd.-Clearbrook	1,053,316.35	
Project C-2872: Construction of Whatcom Interchange and Underpass on Trans-Canada Highway 1 Central Fraser Valley Electoral District		
Miller Contracting Ltd.-Langley	3,561,514.50	Awarded-Amended Total
Maximum Contractors Ltd.-Delta	3,993,382.06	Amended Total
H.B. Contracting Ltd.-Surrey	4,157,559.55	
Jaemar Construction Co. Ltd.-Surrey	4,177,677.00	Amended Total
Progressive Contracting (Richmond) Ltd.	4,212,499.00	
Riverside Excavating Ltd.-Clearbrook	4,287,339.60	Amended Total
Columbia Bitulithic Ltd.-Vancouver	4,288,899.91	Amended Total
United Contractors Ltd.-New Westminster	4,387,954.39	Amended Total
Geddes Contracting Co. Ltd.-Kelowna	4,433,302.53	Amended Total
Kerkhoff Construction Group Ltd.-Chilliwack	4,561,655.00	Amended Total
River Construction Ltd.-Chilliwack	4,764,038.85	Amended Total
Bel Construction Ltd.-Surrey	4,852,172.80	Amended Total
Project C-2873: Construction of Popkum Interchange, Popkum Road Underpass, Anderson Creek Bridge No. 2855 and Anderson Creek Bridge No. 1538 Widening Chilliwack Electoral District		
Miller Contracting Ltd.-Langley	4,775,550.00	Awarded-Amended Total
Geddes Contracting Co. Ltd.-Kelowna	4,814,832.75	Amended Total
Emil Anderson Construction Co. Ltd.-Hope	4,939,711.40	Amended Total
United Contractors Ltd.-New Westminster	5,265,536.53	Amended Total
Jaemar Construction Co. Ltd.-Surrey	5,415,933.75	Amended Total
Hilbar Enterprises Inc. and Rockline Construction Ltd.-Vancouver (Joint Venture)	5,750,218.10	
Ledcor Industries Ltd.-Richmond	5,850,568.96	Amended Total
Goodbrand Construction Ltd.-Aldergrove	5,954,732.15	Amended Total
Bel Construction Ltd.-Surrey	6,308,428.05	Amended Total
Kerkhoff Construction Group Ltd.-Chilliwack	6,634,947.00	Amended Total
Project C-2931: Construction 64th Avenue Interchange to Nordel Interchange (3.02 km) Annacis Highway, River Road (0.46 km), River Road Connector (1.47 km), 84th Avenue Connector (0.71 km) & 72nd Avenue (0.83 km) Delta Electoral District		
Miller Contracting Ltd.-Langley	4,780,398.54	Awarded
United Contractors Ltd.-New Westminster	4,879,527.69	Amended Total
Bel Construction Ltd.-Surrey	4,992,469.12	
Sonny's Excavating Ltd.-Surrey	5,588,402.02	Amended Total
View Construction Ltd.-Kamloops	5,916,582.03	
Jack Cewe Ltd.-Coquitlam	5,917,096.65	
Goodbrand Construction Ltd.-Aldergrove	5,961,714.98	Amended Total
Delta Aggregates Ltd.-Delta	6,081,655.77	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
ROADS - continued		
Project C-2964: Queensborough Grading and Paving, Annacis Highway		
New Westminster, Richmond & Delta Electoral Districts		
Delta Aggregates Ltd.-Delta	1,975,367.19	Awarded
Ocean Point Contractors Ltd.-North Vancouver	2,044,210.72	
View Construction Ltd.-Kamloops	2,218,490.75	
United Contractors Ltd.-New Westminster	2,234,487.75	
Jack Cewe Ltd.-Coquitlam	2,319,288.40	
Unger Construction Co. Ltd.-Delta	2,351,062.33	Amended Total
H.B. Contracting Ltd.-Surrey	2,446,305.04	
Miller Contracting Ltd.-Langley	2,474,462.00	Amended Total
Columbia Bitulithic Ltd.-Vancouver	2,842,301.42	
Project C-2966: Construction of Highway 10 Watershed Park Interchange to Scott Road (1.33 km), Annacis Highway		
Delta & Surrey Electoral Districts		
United Contractors Ltd.-New Westminster	1,033,829.92	Awarded
Ocean Point Contractors Ltd.-North Vancouver	1,060,453.00	
Bel Construction Ltd.-Surrey	1,090,641.00	
Delta Aggregates Ltd.-Delta	1,151,892.35	Amended Total
H.B. Contracting Ltd.-Surrey	1,169,863.06	
Miller Contracting Ltd.-Langley	1,186,743.00	Amended Total
Dayross Developments Ltd.-Vancouver	1,255,404.00	
Jack Cewe Ltd.-Coquitlam	1,256,884.39	
Columbia Bitulithic Ltd.-Vancouver	1,394,930.00	
Project C-2999: Construction Jacombs Road Approach Fills and Preload (0.415 km) Richmond East/West Freeway		
Richmond Electoral District		
Dayross Developments Ltd.-Vancouver	404,610.00	Awarded
Hellyer Contracting Ltd.-Delta	417,128.00	
Alantic Contractors Ltd.-Coquitlam	458,726.34	
Ocean Point Contractors Ltd.-North Vancouver	458,810.90	
H.B. Contractors Ltd.-Surrey	466,012.00	
Miller Contracting Ltd.-Langley	466,365.00	Amended Total
United Contractors Ltd.-New Westminster	475,753.69	
Riverside Excavating Ltd.-Abbotsford	484,430.00	
Delta Aggregates Ltd.-Delta	533,772.30	
Shamrock Trucking Ltd.-Delta	584,818.35	
Project C-3003: Construction Nordel Interchange 84th/88th Avenue Connectors-Annacis Highway		
Delta Electoral District		
United Contractors Ltd.-New Westminster	1,795,609.40	Awarded
Delta Aggregates Ltd.-Delta	1,910,937.02	Amended Total
H.B. Contracting Ltd.-Surrey	1,911,264.70	
Bel Construction Ltd.-Surrey	1,941,453.45	Amended Total
Miller Contracting Ltd.-Langley	2,034,618.00	
Ocean Point Contractors Ltd.-North Vancouver	2,075,490.00	
Columbia Bitulithic Ltd.-Vancouver	2,349,421.79	
Sonny's Excavating Ltd.-Surrey	2,244,131.25	Amended Total
Goodbrand Construction Ltd.-Aldergrove	2,382,707.00	Amended Total
Project C-3016: Construction of Hunter Creek Interchange, Trans-Canada Highway 1 and Adjacent Service Roads		
Yale-Lillooet Electoral District		
Emil Anderson Construction Co. Ltd.-Hope	2,045,235.60	Awarded
Jaemar Construction Co. Ltd.-Surrey	2,147,185.00	Amended Total
Delta Aggregates Ltd.-Delta	2,153,780.28	Amended Total
Nu-Road Contracting Ltd.-Kamloops	2,186,415.36	Amended Total
H.B. Contracting Ltd.-Surrey	2,227,344.18	Amended Total
Geddes Contracting Co. Ltd.-Kelowna	2,339,699.60	
E. Lobe Contracting Ltd.-Abbotsford	2,467,354.00	
Jim Dent Construction Ltd.-Hope	2,504,963.92	Amended Total
Goodbrand Construction Ltd.-Aldergrove	2,513,628.75	Amended Total
Hilbar Enterprises Inc. & Rockline Construction Ltd.-Vancouver (Joint Venture)	2,820,285.60	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
ROADS - continued		
Project C-3026: Westminster Intersection Grade Construction, Annacis Highway, Richmond Electoral District		
Sonny's Excavating Ltd.-Surrey	1,894,547.00	Awarded
Jack Cewe Ltd.-Coquitlam	1,912,676.00	
Miller Contracting Ltd.-Langley	1,924,200.00	Amended Total
Delta Aggregates Ltd.-Delta	1,993,498.00	
Ocean Point Contractors Ltd.-North Vancouver	2,023,572.00	
Peter Kiewit Sons Co. Ltd.-Richmond	2,097,108.00	Amended Total
Goodbrand Construction Ltd.-Aldergrove	2,134,424.00	Amended Total
H.B. Contracting Ltd.-Surrey	2,191,552.00	
United Contractors Ltd.-New Westminster	2,198,203.00	Amended Total
Belmont Construction Ltd.-Burnaby	2,313,652.63	Amended Total
Bel Construction Ltd.-Surrey	2,426,930.70	Amended Total
Project C-3027: Reconstruction of Newman Creek Channelization, Bridge and Approaches on Garibaldi, Highway 99 West Vancouver-Howe Sound Electoral District		
Graehold Construction Corp.-West Vancouver	3,124,396.28	Awarded-Amended Total
Edco Construction Company-Vancouver	3,439,925.64	
Miller Contracting Ltd.-Langley	3,660,356.00	Amended Total
Belmont Construction Ltd.-Burnaby	3,934,522.66	Amended Total
Geddes Contracting Co. Ltd.-Kelowna	4,054,294.00	
View Construction Ltd.-Kamloops	4,546,284.00	
Project C-3036: Reconstruction of Lions Bay Interchange and Harvey Creek Channelization and Bridges (0.684 km) on Garibaldi Highway 99, West Vancouver-Howe Sound Electoral District		
Belmont Construction Ltd.-Burnaby	5,503,335.33	Awarded-Amended Total
Miller Contracting Ltd.-Langley	5,713,873.00	Amended Total
Kerkhoff Construction Group Ltd.-Chilliwack	5,931,013.68	Amended Total
Northern Construction Co. Ltd.-Vancouver	6,451,292.50	Amended Total
Interland Contractors Ltd.-North Vancouver	6,620,507.14	
Goodbrand Construction Ltd.-Aldergrove	6,463,822.20	Amended Total
Peter Kiewit Sons Co. Ltd.-Richmond	6,803,762.00	Amended Total
Bel Smith Contractors-Vancouver	7,245,540.28	Amended Total
View Construction Ltd.-Kamloops	11,923,488.30	
Project C-3060: Summit Quarrying and Crushing, Coquihalla Highway, Yale-Lillooet Electoral District		
Jake-Jay Holdings Ltd.-Revelstoke	1,248,648.00	Awarded-Amended Total
Dawson Construction Limited-Kamloops	1,248,920.00	Amended Total
Edgeworth Construction Ltd.-Prince George	1,308,950.00	
Columbia Bitulithic Ltd.-Vancouver	1,407,315.79	Amended Total
Miller Contracting Ltd.-Langley	1,429,700.00	Amended Total
Dateline Contracting Ltd.-Kelowna	1,582,060.00	
Emil Anderson Construction Co. Ltd.-Hope	2,055,000.00	Amended Total
Goodbrand Construction Ltd.-Aldergrove	2,075,150.00	Amended Total
Okanagan Aggregates Ltd.-Armstrong	2,156,050.00	
Project C-3065: Construction Jacombs Road to Hamilton Interchange Section 1, Richmond East/West Freeway (1.59 km) Richmond Electoral District		
Maximum Contractors Ltd.-Delta	5,830,473.00	Awarded-Amended Total
Miller Contracting Ltd.-Langley	6,717,001.00	Amended Total
Dayross Developments Ltd.-Vancouver	7,114,542.00	
United Contractors Ltd.-New Westminster	7,637,447.50	
Edco Construction Company-Vancouver	7,706,068.00	
H.B. Contracting Ltd.-Surrey	7,977,123.20	
Delta Aggregates Ltd.-Delta	8,414,827.75	
Goodbrand Construction Ltd.-Aldergrove	9,831,292.00	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
ROADS - continued		
Project C-3071: Production of Aggregates in Kirby Creek Pit 2593, Coquihalla Highway-Merritt to Kamloops Phase 2 Yale-Lillooet Electoral District		
Northern Rock Products Ltd.-Kamloops	1,150,407.00	Awarded
Cantex Engineering & Construction Ltd.-Penticton	1,184,987.00	
Ptarmigan Gravel Ltd.-Kamloops	1,223,891.78	
Kentron Construction Ltd.-Kitimat	1,289,191.00	
Jake-Jay Holdings Ltd.-Revelstoke	1,398,918.00	
Inland Contracting & Sweeping Ltd.-Penticton	1,416,234.00	
Ledcor Construction Ltd.-Richmond	1,452,087.00	
Dawson Construction Ltd.-Kamloops	1,691,039.00	
Columbia Bitulithic Ltd.-Vancouver	1,881,035.00	
Miller Contracting Ltd.-Langley	2,142,090.00	
View Construction Ltd.-Kamloops	2,209,351.00	
Goodbrand Construction Ltd.-Aldergrove	2,318,910.00	
Project C-3074: Production of Aggregates in Clark Creek Pit 2592 Coquihalla Highway Phase 2, Yale-Lillooet Electoral District		
Columbia Bitulithic Ltd.-Vancouver	234,565.00	Awarded
Northwestern Contracting Ltd.-Kelowna	251,050.00	
Ptarmigan Gravel Ltd.-Kamloops	252,719.70	Amended Total
Cantex Engineering & Construction.Co. Ltd.-Penticton	264,430.00	Amended Total
View Construction Ltd.-Kamloops	286,840.00	Amended Total
Inland Contracting & Sweeping Ltd.-Penticton	305,445.00	Amended Total
Kentron Construction Ltd.-Kitimat	317,400.00	
Miller Contracting Ltd.-Langley	368,224.21	Amended Total
Webb & Trace Ltd.-Victoria	396,477.00	
Project C-3075: Production of Aggregates in Section 29 Pit 2555, Coquihalla Highway Phase 2 Yale-Lillooet Electoral District		
Ptarmigan Gravel-Kamloops	231,271.00	Awarded
Jake-Jay Holdings Ltd.-Revelstoke	231,767.00	Amended Total
Inland Contracting & Sweeping Ltd.-Penticton	233,240.00	Amended Total
Cantex Engineering & Construction Co. Ltd.-Penticton	257,541.70	Amended Total
Columbia Bitulithic Ltd.-Vancouver	267,359.00	Amended Total
Northwestern Contracting Ltd.-Kelowna	289,366.00	
Webb & Trace Ltd.-Victoria	295,764.00	
Kentron Construction Ltd.-Kitimat	306,000.00	Amended Total
View Construction Ltd.-Kamloops	320,980.00	
Miller Contracting Ltd.-Langley	341,535.00	Amended Total
Okanagan Aggregates Ltd.-Armstrong	342,296.84	Amended Total
Project C-3076: Production of Aggregates in Walloper Pit 2556, Coquihalla Highway Phase 2, Yale-Lillooet Electoral District		
Inland Contracting & Sweeping Ltd.-Penticton	1,123,794.80	Awarded-Amended Total
Cantex Engineering & Construction Co. Ltd.-Penticton	1,204,257.00	Amended Total
Kentron Construction Ltd.-Kitimat	1,257,150.00	Amended Total
Ptarmigan Gravel Ltd.-Kamloops	1,328,948.00	
Northern Rock Products Ltd.-Kamloops	1,330,676.00	
Jake-Jay Holdings Ltd.-Revelstoke	1,474,488.00	Amended Total
Ledcor Construction Ltd.-Richmond	1,769,980.00	Amended Total
Columbia Bitulithic Ltd.-Vancouver	1,787,020.00	
Miller Contracting Ltd.-Langley	1,838,963.00	Amended Total
Dawson Construction Limited-Kamloops	1,845,629.00	
Emil Anderson Construction Co. Ltd.-Hope	1,868,744.00	Amended Total
Webb & Trace Ltd.-Victoria	1,888,880.00	
Okanagan Aggregates Ltd.-Armstrong	1,926,215.00	
Goodbrand Construction Ltd.-Aldergrove	2,089,078.00	Amended Total
View Construction Ltd.-Kamloops	2,224,238.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
ROADS - continued		
Project C-3089-0001: Construction Highway 10 Interchange to 64th Avenue Interchange on Annacis Highway Delta Electoral District		
Miller Contracting Ltd.-Langley	3,234,283.90	Awarded-Amended Total
Ocean Point Contractors Ltd.-North Vancouver	3,334,700.00	
United Contractors Ltd.-New Westminster	3,588,782.58	Amended Total
Goodbrand Construction Ltd.-Aldergrove	3,629,283.00	Amended Total
Bel Construction Ltd.-Surrey	3,652,442.00	
H.B. Contracting Ltd.-Surrey	3,663,423.85	Amended Total
Jack Cewe Ltd.-Coquitlam	3,847,626.04	
Project C-3090: Construction BNI/BCR Track Relocations for Annacis Highway, Delta & Surrey Electoral District		
Pacific Northern Rail Contractors Corp.-Langley	1,043,490.22	Awarded
A & B Rail Contractors Ltd.-Richmond	1,135,145.18	
Western Canada Rail Contractors-Clearbrook	1,293,909.80	
Project C-3123: Construction of Weigh Scale Facility Pacific Highway 15 at U.S. Border, Surrey Electoral District		
Alnor Services Ltd.-Surrey	126,100.00	Awarded-Amended Total
Titan Construction Ltd.-Aldergrove	133,633.00	Amended Total
Tritan Construction Ltd.-Surrey	136,800.00	Amended Total
Vogue Development Ltd.-Surrey	145,570.00	Amended Total
Savage & Johnston Construction Ltd.-Abbotsford	149,359.00	Amended Total
S. Henningson Construction Ltd.-Surrey	149,700.00	Amended Total
Standard Development Corp.-Langley	167,378.00	Amended Total
Status Electrical Corp.-Clearbrook	300,000.00	
Project C-3262: Construction Shell Road to Jacombs Road on Richmond East/West Freeway-Detour Contract #1 Richmond Electoral District		
Delta Aggregates Ltd.-Delta	688,172.50	Awarded
Miller Contracting Ltd.-Langley	701,755.00	
Progressive Contracting(Richmond) Ltd.-Richmond	803,767.00	Amended Total
H.B. Contracting Ltd.-Surrey	810,869.43	
United Contractors Ltd.-New Westminster	845,296.00	Amended Total
Dayross Developments Ltd.-Vancouver	868,274.00	
Jack Cewe Ltd.-Coquitlam	906,846.09	
Columbia Bitulithic Ltd.-Vancouver	997,515.90	
Project C-3338: Construction of Toll Booth Plaza Coquihalla Highway, Yale-Lillooet Electoral District		
Williamson Brothers Construction Ltd.-Armstrong	1,140,000.00	Awarded-Amended Total
Wm. Berg Construction Ltd.-Castlegar	1,200,000.00	Amended Total
O.K. Construction Ltd.-Burnaby	1,217,500.00	Amended Total
E & D Smith Contracting Ltd.-Canoe	1,283,664.00	Amended Total
Yellowridge Construction Ltd.-Port Moody	1,288,000.00	Amended Total
Kerkhoff Construction Group Ltd.-Chilliwack	1,295,000.00	Amended Total
Project C-3353: Construction and Multiplate Installation Cousins Creek on Highway 37 (0.67 km), Atlin Electoral District		
B.A. Blacktop Kamloops-Kamloops	271,674.79	Awarded-Amended Total
Arctic Coast Construction Ltd.-Langley	282,710.00	
J. Oviatt Contracting Ltd.-Kitimat	308,764.75	
Geddes Contracting Co. Ltd.-Kelowna	343,762.50	
Stikine Construction Ltd.-Prince Rupert	362,761.47	Amended Total
Miann Construction Ltd.-Prince George	399,358.00	
Peter Kiewit Sons Co. Ltd.-Richmond	399,460.00	Amended Total
Edco Construction Company-Vancouver	442,535.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
ROADS - continued		
Project C-3354: Construction Shuta Creek to Kirby Creek (5.503 km) Coquihalla Highway Phase 2 Yale-Lillooet Electoral District		
Cantex Engineering & Construction Co. Ltd.-Penticton	8,062,062.00	Awarded
Ledcor Industries Ltd.-Richmond	8,355,454.00	Amended Total
Argo Industries Ltd.-Kamloops	8,395,790.00	Amended Total
Ty-Don Contracting Ltd.-Kamloops	8,473,580.00	
Jaemar Construction Co. Ltd.-Surrey	8,497,869.00	
Geddes Contracting Co. Ltd.-Kelowna	8,522,800.00	Amended Total
View Construction Ltd.-Kamloops	8,778,404.50	Amended Total
Dawson Construction Ltd.-Kamloops	8,972,780.00	Amended Total
Miller Contracting Ltd.-Langley	9,075,094.00	Amended Total
Edco Construction Company-Vancouver	9,209,805.00	Amended Total
Emil Anderson Construction Co. Ltd.-Hope	9,522,019.00	
E. Lobe Contracting Ltd.-Clearbrook	9,734,074.00	
Edgeworth Construction Ltd.-Prince George	10,095,406.40	Amended Total
Mustang Engineering Construction Ltd.-Nisku, Alta.	10,391,435.00	Amended Total
Goodbrand Construction Ltd.-Aldergrove	11,763,930.00	Amended Total
Peter Kiewit Sons Co. Ltd.-Richmond	12,065,587.00	Amended Total
Project C-3355: Construction Kirby Creek to km 16.93 (2.330 km) Coquihalla Highway Phase 2 Yale-Lillooet Electoral District		
Ty-Don Contracting Ltd.-Kamloops	5,062,720.00	Awarded
Ledcor Industries Ltd.-Richmond	5,269,715.00	Amended Total
Nu-Road Contracting Ltd.-Kamloops	5,302,225.00	Amended Total
Dawson Construction Limited-Kamloops	5,308,065.00	
View Construction Ltd.-Kamloops	5,646,595.00	Amended Total
Westrial Construction Ltd.-Delta	5,654,700.00	Amended Total
Edco Construction Company-Vancouver	5,734,230.00	
Edgeworth Construction Ltd.-Prince George	5,770,045.00	Amended Total
Miller Road Builders Ltd.-Surrey	5,775,375.00	Amended Total
E. Lobe Contracting Ltd.-Abbotsford	5,796,900.00	
Geddes Contracting Ltd.-Kelowna	5,860,335.00	
Emil Anderson Construction Co. Ltd.-Hope	5,943,510.00	
Goodbrand Construction Ltd.-Aldergrove	6,335,360.00	Amended Total
Gretsinger & MacDonald Construction Ltd.-Vancouver	6,914,899.00	
Project C-3356: Construction km 16.9 to Clapperton Canyon (3.595 km) Coquihalla Highway Phase 2 Yale-Lillooet Electoral District		
Dawson Construction Ltd.-Kamloops	6,595,854.00	Awarded-Amended Total
Ty-Don Contracting Ltd.-Kamloops	6,703,829.00	
Miller Road Builders Ltd.-Surrey	6,735,440.00	Amended Total
Ledcor Industries Ltd.-Richmond	6,774,090.00	Amended Total
Emil Anderson Construction Co. Ltd.-Hope	6,843,217.00	Amended Total
Geddes Contracting Co. Ltd.-Kelowna	6,866,323.00	
Westrail Construction Ltd.-Delta	7,132,182.50	Amended Total
View Construction Ltd.-Kamloops	7,267,483.00	Amended Total
Hilbar Enterprises, Inc. and Rockline Construction Ltd.-Vancouver (Joint Venture)	7,357,655.00	
Nu-Road Contracting Ltd.-Kamloops	7,550,945.00	Amended Total
E. Lobe Contracting Ltd.-Abbotsford	7,883,080.00	
Goodbrand Construction Ltd.-Aldergrove	8,108,334.00	Amended Total
Edgeworth Construction Ltd.-Prince George	8,892,442.11	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
ROADS - continued		
Project C-3357: Construction Clapperton Canyon to Helmer Lake (6.19 km) Coquihalla Highway Phase 2 Yale-Lillooet Electoral District		
View Construction Ltd.-Kamloops	5,046,423.90	Awarded-Amended Total
Ledcor Industries Limited-Richmond	5,106,413.90	Amended Total
Geddes Contracting Co. Ltd.-Kelowna	5,188,217.40	Amended Total
Edco Construction Company-Vancouver	5,344,496.46	
Jaemar Construction Co. Ltd.-Surrey	5,399,394.00	
Dawson Construction Limited-Kamloops	5,409,303.51	Amended Total
Miller Road Builders Ltd.-Surrey	5,442,433.36	Amended Total
Emil Anderson Construction Co. Ltd.-Hope	5,742,863.46	Amended Total
E. Lobe Contracting Ltd.-Abbotsford	5,767,853.90	
Delta Aggregates Ltd.-Delta	5,747,219.18	Amended Total
Nu-Road Contracting Ltd.-Kamloops	5,916,738.40	Amended Total
Edgeworth Construction Ltd.-Prince George	6,164,496.30	
Speers Construction Ltd.-Revelstoke	6,807,812.69	
Project C-3358: Construction Helmer Lake to Sussex Lake (5.48 km) Coquihalla Highway Phase 2 Yale-Lillooet Electoral District		
Jaemar Construction Co. Ltd.-Surrey	3,652,540.00	Awarded
Hilbar Enterprises, Inc. and Rockline Construction Ltd.-Vancouver (Joint Venture)	3,726,368.55	
Ledcor Industries Limited-Richmond	3,795,525.34	Amended Total
Delta Aggregates Ltd.-Delta	3,830,492.70	Amended Total
Price Bros. Contractors Ltd.-Prince George	3,869,842.50	
Nu-Road Contracting Ltd.-Kamloops	3,946,842.35	Amended Total
View Construction Ltd.-Kamloops	4,067,343.04	Amended Total
Emil Anderson Construction Co. Ltd.-Hope	4,087,485.10	
Geddes Contracting Co. Ltd.-Kelowna	4,097,465.62	
E. Lobe Contracting Ltd.-Abbortsford	4,273,285.35	
Edgeworth Construction Ltd.-Prince George	4,291,803.10	
Dawson Construction Limited-Kamloops	4,376,221.29	
Speers Construction Ltd.-Revelstoke	4,435,844.88	Amended Total
Miller Road Builders Ltd.-Surrey	4,452,621.10	
Project C-3393: Construction Sussex Lake to Desmond Lake (7.30 km) Coquihalla Highway Phase 2 Yale-Lillooet Electoral District		
Argo Industries Ltd.-Kamloops	3,917,896.09	Awarded-Amended Total
View Construction Ltd.-Kamloops	3,999,473.00	Amended Total
Ty-Don Contracting Ltd.-Kamloops	4,163,742.83	
Edco Construction Company-Vancouver	4,230,063.79	
Jaemar Construction Co. Ltd.-Surrey	4,241,928.00	
E. Lobe Contracting Ltd.-Clearbrook	4,520,713.96	
Nu-Road Contracting Ltd.-Kamloops	4,688,189.65	
Miller Contracting Ltd.-Langley	4,782,690.20	Amended Total
Ledcor Industries Limited-Richmond	4,849,610.63	Amended Total
Geddes Contracting Ltd.-Kelowna	4,952,783.60	Amended Total
Dawson Construction Limited-Kamloops	5,133,347.64	
Emil Anderson Construction Co. Ltd.-Hope	5,195,500.47	
Delta Aggregates Ltd.-Delta	5,699,774.54	
Edgeworth Construction Ltd.-Prince George	5,703,376.65	Amended Total
Speers Construction Ltd.-Revelstoke	6,492,532.65	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
ROADS - continued		
Project C-3394: Construction Desmond Lake to Meadow Creek Road (4.96 km) Coquihalla Highway Phase 2 Yale-Lillooet Electoral District		
Nu-Road Contracting Ltd.-Kamloops	3,158,628.90	Awarded-Amended Total
Argo Industries Ltd.-Kamloops	3,440,312.70	
Emil Anderson Construction Co. Ltd.-Hope	3,540,994.86	Amended Total
Delta Aggregates Ltd.-Delta	3,546,837.13	
Jaemar Construction Co. Ltd.-Surrey	3,574,618.00	
Ledcor Industries Limited-Richmond	3,631,461.85	Amended Total
Hilbar Enterprises Inc. & Rockline Construction Ltd.-Vancouver (Joint Venture)	3,665,991.97	
Dawson Construction Limited-Kamloops	3,698,688.99	
Miller Road Builders Ltd.-Surrey	3,756,117.56	
Geddes Contracting Co. Ltd.-Kelowna	3,901,898.60	
View Construction Ltd.-Kamloops	4,007,544.65	Amended Total
Speers Construction Ltd.-Revelstoke	4,046,283.24	Amended Total
Edgeworth Construction Ltd.-Prince George	4,083,191.49	Amended Total
E. Lobe Contracting Ltd.-Abbotsford	4,634,660.00	Amended Total
Project C-3396: Production of Aggregates Timber Lake Pit 2191 Coquihalla Highway Phase 2, Kamloops Electoral District .		
View Construction Ltd.-Kamloops	495,314.00	Awarded-Amended Total
Northwestern Contracting Ltd.-Kelowna	503,998.00	
Columbia Bitulithic Ltd.-Vancouver	513,265.00	Amended Total
Inland Contracting & Sweeping Ltd.-Penticton	517,180.00	
Jake-Jay Holdings Ltd.-Revelstoke	545,240.00	Amended Total
Cantex Engineering & Construction Co. Ltd.-Penticton	546,553.00	Amended Total
Okanagan Aggregates Ltd.-Armstrong	620,132.50	
Webb & Trace Ltd.-Victoria	624,514.00	
Miller Contracting Ltd.-Langley	647,425.00	Amended Total
Kentron Construction Ltd.-Kitimat	675,760.00	Amended Total
Project C-3400: Richmond Grading & Paving, Annacis Highway Richmond Electoral District		
Bel Construction Ltd.-Surrey	2,111,574.00	Awarded
Ocean Point Contractors Ltd.-North Vancouver	2,197,600.00	
United Contractors Ltd.-New Westminster	2,227,574.02	Amended Total
Miller Contracting Ltd.-Langley	2,378,510.00	Amended Total
H.B. Contracting Ltd.-Surrey	2,394,743.27	Amended Total
Delta Aggregates Ltd.-Delta	2,406,843.30	
Jack Cewe Ltd.-Coquitlam	2,548,889.66	Amended Total
Columbia Bitulithic Ltd.-Vancouver	2,617,283.17	Amended Total
Progressive Contracting Langley Ltd.-Richmond	2,731,254.54	Amended Total
Project C-3416: Construction Stake Lake to Peterson Creek (8.10 km) Coquihalla Highway Phase 2 Yale-Lillooet Electoral District		
View Construction Ltd.-Kamloops	4,957,267.92	Awarded-Amended Total
Ledcor Industries Ltd.-Richmond	5,064,628.79	Amended Total
Delta Aggregates Ltd.-Delta	5,309,953.44	
Geddes Contracting Co. Ltd.-Kelowna	5,346,479.90	
Hilbar Enterprises, Inc. & Rockline Construction Ltd.-Vancouver (Joint Venture)	5,394,668.27	
Argo Industries Ltd.-Kamloops	5,511,966.21	Amended Total
Miller Road Builders Ltd.-Surrey	5,604,514.90	Amended Total
Nu-Road Contracting Ltd.-Kamloops	5,633,402.00	
Emil Anderson Construction Co. Ltd.-Hope	5,966,131.50	Amended Total
E. Lobe Contracting Ltd.-Abbotsford	6,139,819.43	Amended Total
Edgeworth Construction Ltd.-Prince George	6,332,895.06	Amended Total
Dawson Construction Ltd.-Kamloops	6,344,157.11	
Speers Construction Ltd.-Revelstoke	6,379,997.88	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
ROADS - continued		
Project C-3417: Construction Peterson Creek to Rush Lake (4.83 km) Coquihalla Highway Phase 2 Kamloops Electoral District		
Ledcor Industries Ltd.-Richmond	4,388,378.15	Awarded-Amended Total
Hilbar Enterprises, Inc. and Rockline Construction Ltd.-Vancouver (Joint Venture)	4,560,379.64	
Delta Aggregates Ltd.-Delta	4,606,872.90	
View Construction Ltd.-Kamloops	4,671,956.23	
E. Lobe Contracting Ltd.-Abbotsford	4,890,450.50	
Geddes Contracting Co. Ltd.-Kelowna	4,913,400.38	Amended Total
Edgeworth Construction Ltd.-Prince George	4,943,903.90	
Emil Anderson Construction Co. Ltd.-Hope	4,958,646.33	Amended Total
Ty-Don Contracting Ltd.-Kamloops	5,176,834.41	
Miller Road Builders Ltd.-Surrey	5,431,148.85	
Jaemar Construction Co. Ltd.-Surrey	5,518,150.00	
Speers Construction Ltd.-Revelstoke	5,735,764.92	Amended Total
Dawson Construction Limited-Kamloops	6,051,063.38	
Mustang Engineering & Construction Limited Nisku, Alta	7,338,448.70	Amended Total
Project C-3428: Construction Jacombs Road to Hamilton Interchange Section 2 (4.11 km) Richmond East/West Freeway Richmond Electoral District		
Dayross Developments Ltd.-Vancouver	3,361,311.00	Awarded
Unger Construction Co. (1976) Ltd.-Delta	3,374,793.50	Amended Total
Miller Contracting Ltd.-Langley	3,385,410.00	Amended Total
Nu-Road Contracting Ltd.-Kamloops	3,390,370.00	
H.B. Contracting Ltd.-Surrey	3,568,860.39	
United Contractors Ltd.-New Westminster	3,590,478.00	
Ocean Point Contractors Ltd.-North Vancouver	3,678,573.00	Amended Total
View Construction Ltd.-Kamloops	3,737,316.00	Amended Total
Columbia Bitulithic Ltd.-Vancouver	3,935,449.35	
E. Lobe Contracting Ltd.-Abbotsford	4,875,267.00	
Project C-3429: Construction Jacombs Road to Hamilton Interchange Section 3 (2.158 km), Richmond East/West Freeway Richmond Electoral District		
Unger Construction Ltd.-Delta	2,952,390.30	Awarded
Miller Contracting Ltd.-Langley	3,441,806.00	Amended Total
H.B. Contracting Ltd.-Surrey	3,642,707.11	Amended Total
Ocean Point Contractors Ltd.-North Vancouver	3,675,182.00	Amended Total
Dayross Developments Ltd.-Vancouver	3,720,075.00	
View Construction Ltd.-Kamloops	3,773,793.00	Amended Total
Columbia Bitulithic Ltd.-Vancouver	3,874,397.35	Amended Total
Delta Aggregates Ltd.-Delta	3,898,873.50	
United Contractors Ltd.-New Westminster	3,939,700.00	Amended Total
Nu-Road Contracting Ltd.-Kamloops	3,966,553.00	
Edco Construction Company-Vancouver	4,567,513.00	Amended Total
Project C-3432: Reconstruction Westbank to North Boundary I.R. No. 9 (3.72 km) Okanagan Highway 97 Okanagan South Electoral District		
Midvalley Construction Co.-Kelowna	2,592,043.70	Awarded-Amended Total
Geddes Contracting Co. Ltd.-Kelowna	2,744,724.90	Amended Total
Peters Bros. Paving (1981) Ltd.-Penticton	2,776,937.10	Amended Total
Nu-Road Contracting Ltd.-Kamloops	2,942,370.80	Amended Total
Ty-Don Contract Ltd.-Kamloops	3,020,140.50	
Rempel Bros. Contracting Ltd.-Kelowna	3,123,295.10	Amended Total
Dawson Construction Ltd.-Kamloops	3,319,267.60	Amended Total
Vic Van Isle Construction Ltd.-Revelstoke	3,319,481.15	Amended Total
Columbia Bitulithic Ltd.-Vancouver	3,654,530.30	
Cantex Engineering & Construction Co. Ltd.-Penticton	3,795,665.02	Amended Total
View Construction Ltd.-Kamloops	3,888,502.80	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
ROADS - continued		
Project C-3433: Reconstruction East Boundary Road and Boucherie Road, Westbank-Kelowna (1.79 km) Okanagan South Electoral District		
Geddes Contracting Co. Ltd.-Kelowna	446,358.04	Awarded-Amended Total
Peter's Bros. Paving (1981) Ltd.-Penticton	618,170.25	Amended Total
Nu-Road Contracting Ltd.-Kamloops	678,435.90	
Midvalley Construction Company(Div. of Emil Anderson Construction Co. Ltd.-Kelowna	815,450.00	
Project C-3527: Coquihalla Highway Merritt to Kamloops Clearing & Grubbing - Clapperton Canyon to Sussex Lake (11.67 km) Yale-Lillooet Electoral District		
View Construction Ltd.-Kamloops	169,485.50	Awarded
Dayross Developments Ltd.-Vancouver	173,675.00	
Procan Industries Ltd.-Prince George	189,533.50	Amended Total
Spring Holdings Ltd.-Kamloops	193,450.15	
Pooley Bros. Ltd.-Merritt	201,422.51	
S & G Construction Ltd.-Roberts Creek	211,912.26	
Geddes Contracting Co. Ltd.-Kelowna	233,474.60	
Magic Construction Co. Ltd.-Revelstoke	262,076.10	Amended Total
Edco Construction Ltd.-Vancouver	264,187.60	
J & D Construction Ltd.-Prince George	287,413.00	
Plazer Contracting Ltd.-Chilliwack	287,672.12	
Northwestern Contracting Ltd.-Kelowna	358,975.64	
Speers Construction Ltd.-Revelstoke	400,669.50	
DJM Contracting Ltd.-Aldergrove	576,520.30	Amended Total
Project C-3528: Coquihalla Highway: Merritt-Kamloops: Clearing & Grubbing: Sussex Lake to Meadow Creek Road (12.3 km) Yale-Lillooet Electoral District		
Eberle Contracting Ltd.-Kelowna	154,539.22	Awarded
H.E. Sanders Ltd.-Merritt	181,609.80	
Plazer Contracting Ltd.-Chilliwack	198,067.07	
Better Transport Ltd.-Prince George	207,046.18	
Spring Holdings Ltd.-Kamloops	233,165.32	
Edco Construction Company-Vancouver	234,015.87	Amended Total
S & G Construction Ltd.-Roberts Creek	260,333.77	Amended Total
View Construction Ltd.-Kamloops	287,591.02	Amended Total
Geddes Contracting Co. Ltd.-Kelowna	412,825.90	Amended Total
Speers Contracting Co. Ltd.-Revelstoke	479,941.59	
Magic Construction Co. Ltd.-Revelstoke	690,429.44	
Project C-3529: Clearing & Grubbing: Meadow Creek to Stake Lake Section: Coquihalla Highway (6.53 km) Yale-Lillooet Electoral District		
Spring Holdings Ltd.-Kamloops	99,380.00	Awarded
Geddes Contracting Co. Ltd.-Kelowna	110,680.00	
Pooley Bros. Ltd.-Merritt	111,200.00	
Interline Construction Ltd.-Kamloops	132,796.00	
Plazer Contracting Ltd.-Chilliwack	137,696.00	
S & G Construction Ltd.-Roberts Creek	139,840.00	
Scope Exploration Services Ltd.-Merritt	141,360.00	
Katchmar Enterprises Inc.-100 Mile House	158,323.00	
Dawson Construction Limited-Kamloops	160,280.00	
Better Transport Ltd.-Prince George	169,348.00	
Dayross Developments Ltd.-Vancouver	182,900.00	
Edco Construction Company-Vancouver	195,972.00	
View Construction Ltd.-Kamloops	197,860.00	
Speers Construction Ltd.-Revelstoke	239,000.00	
Hy-Pro Contracting Ltd.-Kamloops	244,529.20	Amended Total
Emil Anderson Construction Co. Ltd.-Hope	261,020.00	
Magic Construction Co. Ltd.-Revelstoke	283,480.80	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
ROADS - continued		
Project C-3530: Coquihalla Highway: Merritt-Kamloops: Clearing & Grubbing, Stake Lake to Rush Lake (12.93 km) Kamloops Electoral District		
Dayross Developments Ltd.-Vancouver	151,000.00	Awarded
Wells Holdings Ltd.-Clearwater	155,856.40	Amended Total
Spring Holdings Ltd.-Kamloops	156,040.00	Amended Total
Geddes Contracting Co. Ltd.-Kelowna	164,000.00	
Procan Industries Ltd.-Prince George	164,964.00	
View Construction Ltd.-Kamloops	165,000.00	Amended Total
H.E. Sanders Ltd.-Merritt	185,840.00	
Pooley Bros. Ltd.-Merritt	194,960.00	
Plazer Contracting Ltd.-Chilliwack	197,680.00	
Edco Construction Company-Vancouver	212,224.50	
Eberle Contracting Ltd.-Kelowna	217,942.20	
J & D Construction Ltd.-Prince George	221,000.00	
S & G Construction Ltd.-Roberts Creek	222,200.00	
Northwestern Contracting Ltd.-Kelowna	281,000.00	
Speers Construction Ltd.-Revelstoke	625,000.00	
Project C-3558: Merritt-Kamloops Highway, Construction: Rush Lake to Moose Lake Including Ajax Overpass (4.347 km) Kamloops Electoral District		
View Construction Ltd.-Kamloops	3,470,021.75	Awarded-Amended Total
Delta Aggregates Ltd.-Delta	3,573,220.63	Amended Total
Ledcor Industries Limited-Richmond	3,590,835.78	Amended Total
Jaemar Construction Co. Ltd.-Surrey	3,632,930.00	
Hilbar Enterprises, Inc. & Rockline Construction Ltd., A Joint Venture-Vancouver	3,759,557.25	
Emil Anderson Construction Co. Ltd.-Hope	3,763,538.80	
Argo Industries Ltd.-Kamloops	4,005,707.52	Amended Total
Geddes Contracting Co. Ltd.-Kelowna	4,131,300.60	
E. Lobe Contracting Ltd.-Abbotsford	4,275,187.10	Amended Total
Dawson Construction Limited-Kamloops	4,303,308.10	
Speers Construction Ltd.-Revelstoke	4,688,553.23	Amended Total
Project C-3559: Coquihalla Highway: Merritt-Kamloops: Construction: Moose Lake to Highway 1 (4.993 km) Kamloops Electoral District		
Delta Aggregates Ltd.-Delta	7,133,515.14	Awarded-Amended Total
Ledcor Industries Ltd.-Richmond	7,489,221.43	Amended Total
Edco Construction Company-Vancouver	7,836,560.06	Amended Total
Emil Anderson Construction Co. Ltd-Hope	7,933,990.74	
Edgeworth Construction Ltd.-Prince George	8,075,616.30	Amended Total
Nu-Road Contracting Ltd.-Kamloops	8,252,300.53	Amended Total
View Construction Ltd.-Kamloops	8,313,688.19	Amended Total
Ty-don Contracting Ltd.-Kamloops	8,464,082.35	Amended Total
Dawson Construction Ltd.-Kamloops	8,968,781.24	Amended Total
E. Lobe Contracting Ltd.-Abbotsford	9,120,858.99	Amended Total
Jaemar Construction Co. Ltd.-Surrey	9,164,468.00	Amended Total
Project C-3561: Densification: Richmond East/West Freeway Highway 99 to No. 6 Road, Richmond Electoral District		
Western Caissons Ltd.-Port Coquitlam	2,968,483.80	Awarded
Miller Contracting Ltd.-Langley	3,470,820.00	Amended Total
GKN Keller Canada Ltd.-Mississauga, Ontario	3,486,234.00	
Maximum Contractors Ltd.-Delta	3,682,084.95	Amended Total

Description of Work and Names of Tenderers		Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
ROADS - continued			
Project C-3562: Construction: Richmond East/West Freeway Knight Street-Cambie Road-Bridgeport Interchange (1.060 km) Richmond Electoral District			
Miller Contracting Ltd.-Langley		1,956,610.00	Awarded-Amended Total
Progressive Contracting (Richmond) Ltd.-Richmond		1,986,473.00	
Ocean Point Contractors Ltd.-North Vancouver		2,122,555.00	
Delta Aggregates Ltd.-Delta		2,194,265.50	Amended Total
H.B. Contracting Ltd.-Surrey		2,272,583.46	
Dayross Developments Ltd.-Vancouver		2,399,124.00	
United Contractors Ltd.-New Westminster		2,452,337.40	
Project C-3600: Annacis Highway: Grading & Paving: Highway 99 Interchange to Highway 10 Interchange Delta and Surrey Electoral Districts			
Miller Contracting Ltd.-Langley		1,525,317.00	Awarded-Amended Total
United Contractors Ltd.-New Westminster		1,819,257.50	Amended Total
Southwest Contracting Ltd.-Surrey		1,894,177.73	Amended Total
Bel Construction Ltd.-Surrey		1,993,265.00	
Edco Construction Company-Vancouver		2,026,693.90	
Progressive Contracting Ltd.-Richmond		2,195,902.80	Amended Total
Project C-3602: Soil Densification Mud Bay, Highway 99 Overpass Mud Bay B.C. Rail Overhead, Delta Electoral District			
Western Caissons Ltd.-Port Coquitlam		222,201.00	Awarded
GKN Keller Canada Ltd.-Mississauga, Ontario		242,950.00	Amended Total
Project C-3619: Construction of the Oyama to Bailey Road Section 6.985 km of the Okanagan Hwy. 97 to Four Lanes Okanagan North Electoral District			
Geddes Contracting Co. Ltd.-Kelowna		4,441,911.40	Awarded-Amended Total
Dawson Construction Limited-Kamloops		4,940,053.00	
View Construction Ltd.-Kamloops		5,021,879.20	
Argo Industries Ltd.-Kamloops		5,175,533.48	
Edco Construction Company-Vancouver		5,238,872.50	Amended Total
Nu-Road Contracting Ltd.-Kamloops		5,366,109.00	
Emil Anderson Construction Co. Ltd.-Hope		6,224,423.00	Amended Total
Ledcor Industries Limited-Richmond		6,240,221.60	Amended Total
Ty-Don Contracting Ltd.-Kamloops		6,771,577.30	
Edgeworth Construction Ltd.-Prince George		7,799,385.00	Amended Total
PAVING			
Project S-0084-2254: Asphalt Surfacing 1985/86 Pavement Recycling/Resurfacing: Highway 97: Schweb's Bridge to Pinaus Lake: 26.84 km, Shuswap-Revelstoke Electoral District			
Columbia Blacktop Ltd.-Malakwa	"A"	559,156.00	Awarded-Amended Total
	"B"	873,795.00	
Okanagan Aggregates Ltd.-Armstrong	"A"	693,640.00	Amended Total
	"B"	1,016,290.00	Amended Total
Rorison-Wiley Blacktop Ltd.-Williams Lake	"A"	730,800.00	Amended Total
	"B"	No Bid	
Dawson Construction Limited-Kamloops	"A"	No Bid	
	"B"	976,050.00	
Columbia Bitulithic Ltd.-Vancouver	"A"	997,480.00	
	"B"	1,049,928.50	
High Country Paving Corp.-Winfield	"A"	No Bid	
	"B"	1,009,015.00	
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	"A"	No Bid	
	"B"	1,086,280.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
PAVING - continued		
Project S-0084-3513: Asphalt Surfacing 1985/86 Crushed Granular Graded Seal Aggregate In Stockpile Ta Ta Creek Pit Cranbrook Highway District, Kootenay Electoral District		
Wayne Aseltine Trucking Ltd.-Kimberly	51,780.00	Awarded-Amended Total
Sholinder and MacKay Sand & Gravel Ltd.-Windermere	59,570.00	
Louis Salvador & Son Ltd.-Cranbrook	99,280.00	
Okanagan Aggregates Ltd.-Armstrong	112,675.00	
Project S-0084-4361: Asphalt Surfacing 1985/86 Crushed Granular Aggregate in Stockpile, Misc. Pits Dawson Creek Highway District, South Peace River Electoral District		
W.E. Robertson Const. Co. Ltd.-Prince George	61,950.00	Awarded
Chinook Aggregates Ltd.-Vernon	67,515.00	
D.M.J. Construction Ltd.-Kelowna	156,870.00	
Project S-0084-4461: Crushed Granular Aggregate in Stockpile: Misc. Pits: Fort St. John Highway District North Peace River Electoral District		
Chinook Aggregates Ltd.-Vernon	50,760.00	Awarded
W.E. Robertson Construction Co. Ltd.-Prince George	57,600.00	
Project S-2820: Asphalt Surfacing 1985/86: Cariboo Highway 97-Junction of Barkerville Road (Hwy 26) to Plett Road (47.10 km), Cariboo Electoral District		
Columbia Bitulithic Ltd.-Vancouver	1,986,632.50	Awarded-Amended Total
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	2,013,077.50	Amended Total
Captial Asphalt Ltd.-Victoria	2,299,629.00	
Emil Anderson Construction Co. Ltd.-Hope	2,449,506.00	
Dawson Construction Limited-Kamloops	2,631,960.00	
Peter Kiewit Sons Co. Ltd.-Richmond	3,081,925.00	
Project S-2965: Asphalt Surfacing 1985/86: Coquihalla Highway: Nicolum Creek to Ladner Creek (20.15 km) Yale-Lillooet Electoral District		
Peters Bros. Paving (1981) Ltd.-Penticton	1,259,123.00	Awarded
Columbia Bitulithic Ltd.-Vancouver	1,314,217.00	Amended Total
Midvalley Construction Co.(A Div. of Emil Anderson Construction Co.)-Kelowna	1,555,666.00	Amended Total
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	1,575,041.10	
Capital Asphalt Ltd.-Victoria	1,594,200.00	
Cantex Engineering & Construction Co. Ltd.-Penticton	1,703,089.80	Amended Total
Okanagan Aggregates Ltd.-Armstrong	1,870,197.80	
Rorison Enterprises Ltd.-Kamloops	1,893,270.00	Amended Total
West Coast Paving Co. Ltd.-Vancouver	1,930,372.20	
Dawson Construction Limited-Kamloops	2,032,027.50	
Peter Kiewit Sons Co. Ltd.-Richmond	2,352,298.00	Amended Total
Project S-2966: Asphalt Surfacing 1985/86: Coquihalla Highway: Ladner Creek to Great Bear No. 5 (15.26 km) Yale-Lillooet Electoral District		
Columbia Bitulithic Ltd.-Vancouver	1,429,355.70	Awarded-Amended Total
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	1,703,730.80	
Dawson Construction Limited-Kamloops	1,875,032.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
PAVING - continued		
Project S-2967: Asphalt Surfacing 1985/86: Coquihalla Highway: Great Bear No. 5 to Murrary Bridge (31.61 km) Yale-Lillooet Electoral District		
Dawson Construction Limited-Kamloops	1,876,135.00	Awarded-Amended Total
Emil Anderson Construction Co. Ltd.-Hope	2,106,011.00	Amended Total
Columbia Bitulithic Ltd.-Vancouver	2,182,818.00	Amended Total
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	2,240,240.00	Amended Total
Capital Asphalt Ltd.-Victoria	2,284,510.00	
Rorison Enterprises Ltd.-Kamloops	2,319,450.00	
Project S-2968: Asphalt Surfacing 1985/86: Coquihalla Highway: Murray Bridge to Glenwalker (29.07 km) Yale-Lillooet Electoral District		
Emil Anderson Construction Co. Ltd.-Hope	1,857,539.00	Awarded-Amended Total
Capital Asphalt Ltd.-Victoria	1,898,532.20	
Cantex Engineering & Construction Co. Ltd.-Penticton	1,945,182.00	Amended Total
Rorison Enterprises Ltd.-Kamloops	1,983,961.00	Amended Total
Columbia Bitulithic Ltd.-Vancouver	2,172,649.00	
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	2,195,866.00	
Dawson Construction Ltd.-Kamloops	2,298,823.00	Amended Total
Project S-2969: Asphalt Surfacing 1985/86: Coquihalla Glenwalker to Nicola Interchange (17.98 km) Yale-Lillooet Electoral District		
Peters Bros. Paving (1981) Ltd.-Penticton	1,121,485.00	Awarded-Amended Total
Cantex Engineering & Construction Co. Ltd.-Penticton	1,124,870.00	Amended Total
Capital Asphalt Ltd.-Victoria	1,279,838.00	
Columbia Bitulithic Ltd.-Vancouver	1,284,851.00	Amended Total
Emil Anderson Construction Co. Ltd.-Hope	1,339,785.00	Amended Total
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	1,344,656.00	
Dawson Construction Limited-Kamloops	1,372,570.00	Amended Total
Ledcor Construction Ltd.-Richmond	1,478,860.00	
Project S-2973: Asphalt Surfacing 1985/86: Trans Canada Highway 1: American Creek to Gordon Creek and Yale Tunnel Approaches (14.14 km), Yale-Lillooet Electoral District		
Columbia Bitulithic Ltd.-Vancouver	675,990.08	Awarded
Columbia Blacktop Ltd.-Malakwa	729,060.00	Amended Total
Capital Asphalt Ltd.-Victoria	816,410.30	
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	868,333.00	
Grandview Blacktop Ltd.-Burnaby	880,620.20	
Dawson Construction Limited-Kamloops	882,141.40	
Okanagan Aggregates Ltd.-Armstrong	994,359.50	
Project S-2974: Asphalt Surfacing 1985/86: Sections of Highway 1 from Jackass Mountain to Boston Flats and Campbell Hill Airport (23.31 km), Yale-Lillooet Electoral District		
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	776,437.25	Awarded-Amended Total
Cantex Engineering & Construction Co. Ltd.-Penticton	844,990.00	Amended Total
Columbia Bitulithic Ltd.-Vancouver	937,253.75	
Dawson Construction Limited-Kamloops	969,406.10	Amended Total
Capital Asphalt Ltd.-Victoria	1,038,243.22	Amended Total
Island Asphalt Ltd.-Victoria	1,007,454.31	Amended Total
Emil Anderson Construction Co. Ltd.-Hope	1,148,549.00	
Okanagan Aggregates Ltd.-Armstrong	1,181,504.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
PAVING - continued		
Project S-2975: Asphalt Surfacing 1985/86: Highway 1 Cache Creek to Thompson River Bridge at Savona (33.7 km) Yale-Lillooet & Kamloops Electoral Districts		
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	1,198,416.10	Awarded
Peter's Bros. Paving (1981) Ltd.-Penticton	1,225,806.00	Amended Total
Dawson Construction Limited-Kamloops	1,295,509.00	
Columbia Bitulithic Ltd.-Vancouver	1,383,970.00	
Grandview Blacktop Ltd.-Burnaby	1,580,982.00	Amended Total
Emil Anderson Construction Co. Ltd.-Hope	1,656,842.00	Amended Total
Project S-2977: Columbia Avenue Curb and Gutter and Misc. Paving on Highway 3B & Highway 22 (22.65 km) Rossland-Trail Electoral District		
Jack Williamson Paving Ltd.-Trail	976,377.50	Awarded
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	1,140,180.00	
Cantex Engineering & Construction Co. Ltd.-Penticton	1,187,511.00	
Okanagan Aggregates Ltd.-Armstrong	1,385,522.00	
Winvan Paving Ltd.-New Westminster	1,458,211.00	
Columbia Bitulithic Ltd.-Vancouver	1,576,748.50	
Emil Anderson Construction Co. Ltd.-Hope	1,829,501.00	
Project S-2979: Asphalt Surfacing 1985-86: Highways 1A and 99A: Pattulo Bridge Resurfacing (1.50 km) Surrey and New Westminster Electoral Districts		
Columbia Bitulithic Ltd.-Vancouver	262,730.00	Awarded
Winvan Paving Ltd.-New Westminster	366,390.00	
Project S-2983: Asphalt Surfacing 1985-86: Highway 37: Kitimat to Onion Lake (33.79 km), Skeena Electoral District		
Grandview Blacktop Ltd.-Burnaby	1,086,644.00	Awarded
Kentron Construction Ltd.-Kitimat	1,115,632.15	Amended Total
Capital Asphalt Ltd.-Victoria	1,141,903.45	Amended Total
Rorison Enterprises Ltd.-Kamloops	1,190,767.00	Amended Total
West Coast Paving Co. Ltd.-Vancouver	1,198,296.80	
Central Paving & Engineering Ltd.-Prince George	1,209,675.00	
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	1,242,937.00	
Columbia Bitulithic Ltd.-Vancouver	1,374,550.50	
Project S-2984: Asphalt Surfacing 1985-86: Cranbrook North Interchange Hwys 3 & 95A Misc. Paving Work on Hwy 3 and Van Horne Avenue, Kootenay Electoral District		
B.A. Blacktop (Cranbrook) Ltd.-Cranbrook	279,254.19	Awarded
Okanagan Aggregates Ltd.-Armstrong	304,771.00	
Jack Williamson Paving Ltd.-Trail	336,732.00	
Max Helmer Construction Ltd.-Radium Hot Springs	396,075.00	Amended Total
McNally Contractors Ltd.-Invermere	442,906.50	
Flathead Valley Contractors Ltd.-Pincher Creek, Alta.	489,326.80	
A.C. Paving Company Ltd.-Burnaby	686,888.00	
Project S-2998: Asphalt Surfacing 1985-86: Highway 5 Louis Creek to Littlefort (36.82 km), Kamloops Electoral District		
Columbia Bitulithic Ltd.-Vancouver	1,051,779.00	Awarded-Amended Total
Dawson Construction Limited-Kamloops	1,114,490.40	Amended Total
Rorison Enterprises Ltd.-Kamloops	1,125,744.00	Amended Total
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	1,137,781.00	Amended Total
B.A. Blacktop Kamloops-Kamloops	1,170,022.16	Amended Total
Grandview Blacktop Ltd.-Burnaby	1,323,308.48	Amended Total
Central Paving & Engineering Ltd.-Prince George	1,342,961.90	Amended Total
Emil Anderson Construction Co. Ltd.-Hope	1,408,719.00	Amended Total
Okanagan Aggregates Ltd.-Armstrong	1,446,679.40	Amended Total

Description of Work and Names of Tenderers		Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
PAVING - continued			
Project S-3226: Asphalt Surfacing 1985-86: Highway 5 from Blackpool to Raft River Bridge and Misc. Roads in Clearwater Area (29.0 km), Kamloops Electoral District			
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House		821,247.60	Awarded
Columbia Bitulithic Ltd.-Vancouver		830,517.50	
Capital Asphalt Ltd.-Victoria		846,567.10	
Dawson Construction Ltd.-Kamloops		889,604.00	
Rorison Enterprises Ltd.-Kamloops		943,069.20	
Columbia Blacktop Ltd.-Malakwa		952,130.50	
Cantex Engineering & Construction Co. Ltd.-Penticton		1,024,528.00	
Okanagan Aggregates Ltd.-Armstrong		1,188,637.00	
Emil Anderson Construction Co. Ltd.-Hope		1,312,672.00	
Project S-3228: Asphalt Surfacing 1985-86: Dawson Creek Highways District: Heritage Highway Fellers Heights-Brassey Creek (12.2 km), South Peace River Electoral District			
Rorison Enterprises Ltd.-Kamloops	"A"	1,354,310.00	Awarded
	"B"	1,551,060.00	
Central Paving & Engineering Ltd.-Prince George	"A"	1,478,140.00	Amended Total
	"B"	1,575,040.00	Amended Total
Okanagan Aggregates Ltd.-Armstrong	"A"	1,557,920.00	
	"B"	No Bid	
Emil Anderson Construction Co. Ltd.-Hope	"A"	1,665,561.00	
	"B"	1,703,561.00	
Project S-3229: Asphalt Surfacing 1985-86: Highway 97 East Pine Trucklane: Jackfish Lake Road & West Fraser Mill Road: Dawson Creek Highways District (14.9 km) South Peace River Electoral District			
Central Paving & Engineering Ltd.-Prince George	"A"	619,120.00	Awarded-Amended Total
	"B"	716,120.00	Amended Total
Rorison Enterprises Ltd.-Kamloops	"A"	647,450.00	
	"B"	797,450.00	
Emil Anderson Construction Co. Ltd.-Hope	"A"	817,688.00	
	"B"	842,688.00	
Okanagan Aggregates Ltd.-Armstrong	"A"	845,514.00	Amended Total
	"B"	No bid	
Columbia Bitulithic Ltd.-Vancouver	"A"	860,070.00	
	"B"	875,070.00	
Project S-3230: Asphalt Surfacing 1985-86: Williams Lake Highways District Misc. Road (13.8 km) Cariboo Electoral District			
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House		530,100.00	Awarded - Amended Total
Okanagan Aggregates Ltd.-Armstrong		696,440.00	Amended Total
Rorison-Wiley Blacktop Ltd.-Williams Lake		725,280.00	
Grandview Blacktop Ltd.-Burnaby		742,418.80	
Dawson Construction Ltd.-Kamloops		860,915.00	
Central Paving and Engineering Ltd.-Prince George		902,350.00	
Project S-3249: Asphalt Surfacing 1985-86: Highway 16 Intermittent Paving East of Terrace: Chimdemash Creek to Carnaby Crossing (16.0 km), Skeena Electoral District			
Kentron Construction Ltd.-Kitimat		268,759.00	Awarded-Amended Total
Grandview Blacktop Ltd.-Burnaby		272,990.00	Amended Total
L.B. Paving Ltd.-Smithers		282,411.00	
Central Paving & Engineering Ltd.-Prince George		292,846.00	
A.C. Paving Co. Ltd.-Burnaby		394,228.00	
Okanagan Aggregates Ltd.-Armstrong		441,140.00	

Description of Work and Names of Tenderers		Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
PAVING - continued			
Project S-3254: Asphalt Surfacing 1985-86: Highway 97 North and South of Chetwynd (20.6 km) South Peace River Electoral District			
Rorison Enterprises Ltd.-Kamloops	"A"	719,890.00	Awarded-Amended Total
	"B"	1,164,890.00	Amended Total
Central Paving & Engineering Ltd.-Prince George	"A"	839,650.00	Amended Total
	"B"	943,930.00	Amended Total
Okanagan Aggregates Ltd.-Armstrong	"A"	913,930.00	
	"B"	No Bid	
Emil Anderson Construction Co. Ltd.-Hope	"A"	995,297.00	Amended Total
	"B"	1,061,297.00	Amended Total
Columbia Bitulithic Ltd.-Vancouver	"A"	1,025,085.00	
	"B"	1,060,685.00	
Project S-3258: Asphalt Surfacing 1985-86: Scott Road Intersection Improvements: Highway 10 to 84th Avenue Surrey and Delta Electoral District			
Ocean Point Contractors Ltd.-North Vancouver		758,000.00	Awarded
United Contractors Ltd.-New Westminster		777,777.77	Amended Total
Bel Construction Ltd.-Surrey		780,540.50	
Goodbrand Construction Ltd.-Aldergrove		833,690.00	Amended Total
B & B Contracting Ltd.-Surrey		838,493.00	
H.B. Contracting Ltd.-Surrey		869,579.33	Amended Total
Jack Cewe Ltd.-Coquitlam		890,952.88	
Imperial Paving Limited-Burnaby		1,092,573.35	
Project S-3326: Asphalt Surfacing 1985-86: Williams Lake Highways District, Likely Road (45.2 km) Cariboo Electoral District			
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	"A"	1,588,375.00	Awarded-Amended Total
	"B"	1,706,150.00	Amended Total
Columbia Bitulithic Ltd.-Vancouver	"A"	1,641,945.00	
	"B"	1,684,920.00	
Grandview Blacktop Ltd.-Burnaby	"A"	1,898,579.00	Amended Total
	"B"	1,941,864.00	Amended Total
Peters' Bros. Paving (1981) Ltd.-Penticton	"A"	2,137,602.00	Amended Total
	"B"	No Bid	
Capital Asphalt Ltd.-Victoria	"A"	2,570,835.00	
	"B"	2,676,085.00	
Okanagan Aggregates Ltd.-Armstrong	"A"	2,628,008.00	Amended Total
	"B"	No Bid	
Project S-3410: Asphalt Surfacing 1985/86: Vanderhoof Airport Run-Way Extension, Omineca Electoral District			
Columbia Bitulithic Ltd.-Vancouver		234,100.00	Awarded
Grandview Blacktop Ltd.-Burnaby		239,200.00	
Wayne Watson Construction Ltd.-Prince George		249,880.00	
Project S-3418: Asphalt Surfacing 1985/86, 100 Mile House Miscellaneous Roads (8.69 km) Cariboo Electoral District			
Rorison Wiley Blacktop Ltd.-Williams Lake	"A"	339,670.00	Awarded-Amended Total
	"B"	No Bid	
High Country Paving Corporation-Winfield	"A"	No Bid	
	"B"	480,240.00	
Columbia Blacktop Ltd.-Malakwa	"A"	583,175.00	Amended Total
	"B"	868,275.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
PAVING – continued		
Project S-3420: Asphalt Surfacing 1985–86, Alaska Highway 97: Road 269 to Highway 29 (8.70 km) and Miscellaneous Fort St. John Area Roads (26.30 km) North Peace River Electoral District		
Columbia Bitulithic Ltd.–Vancouver	1,664,930.00	Awarded
Rorison Enterprises Ltd.–Kamloops	1,868,375.00	
Capital Asphalt Ltd.–Victoria	1,970,499.00	
Central Paving & Engineering Ltd.–Prince George	2,097,600.00	Amended Total
West Coast Paving Co. Ltd.–Vancouver	2,181,150.00	
D.G. Smith Engineering Ltd.–Langley	2,183,150.00	
Grandview Blacktop Ltd.–Burnaby	2,296,050.00	Amended Total
Dawson Construction Ltd.–Kamloops	2,572,700.00	
Project S-3421: Highway 97: Cariboo Lac La Hache Campsite to Hinsche Road & Miscellaneous Roads (24.1 km) Cariboo Electoral District		
H. Williamson Blacktop & Landscaping Ltd.–150 Mile House	1,209,025.00	Awarded–Amended Total
High Country Paving Corp.–Winfield	1,252,485.00	
Capital Asphalt Ltd.–Victoria	1,387,382.00	
Columbia Bitulithic Ltd.–Vancouver	1,487,680.00	Amended Total
Columbia Blacktop Ltd.–Malakwa	1,791,050.00	
Okanagan Aggregates Ltd.–Armstrong	1,916,440.00	
Project S-3423: Asphalt Surfacing 1985–86, Nazko Road: Tibbles Road to Kresteniuk Road (57.0 km): Tibbles Road: Nazko Road Southwards (7.5 km) (total length 64.5 km) Cariboo Electoral District		
Peter's Bros. Paving (1981) Ltd.–Penticton	2,773,755.00	Awarded–Amended Total
Dawson Construction Limited–Kamloops	2,942,770.00	Amended Total
Rorison Enterprises Ltd.–Kamloops	3,126,150.00	Amended Total
High Country Paving Corp.–Winfield	3,151,470.00	Amended Total
Columbia Bitulithic Ltd.–Vancouver	3,171,790.00	
Emil Anderson Construction Co. Ltd.–Hope	4,033,017.00	Amended Total
Project S-3425: Asphalt Surfacing 1985–86: Blackwater Road, West of Quesnel: Katzel Road to Pinnacles Road (6.67 km) Cariboo Electoral District		
Columbia Bitulithic Ltd.–Vancouver	817,062.50	Awarded–Amended Total
Okanagan Aggregates Ltd.–Armstrong	900,375.40	
Central Paving & Engineering Ltd.–Prince George	967,102.50	
H. Williamson Blacktop & Landscaping Ltd.–150 Mile House	970,142.40	
Columbia Blacktop Ltd.–Malakwa	1,132,165.00	
Project S-3526: Asphalt Surfacing 1985–86: Heritage Highway: Tumbler Ridge – Quality Creek (8.0 km) South Peace River Electoral District		
Rorison Enterprises Ltd.–Kamloops	697,450.00	Awarded
Columbia Bitulithic Ltd.–Vancouver	885,400.00	
Grandview Blacktop Ltd.–Burnaby	920,070.00	
Project S-3541: Asphalt Surfacing 1985–86: Cariboo Highway 97: 83 Mile House Area (2.84 km) Cariboo Electoral District		
High Country Paving Corporation–Winfield	323,728.40	Awarded–Amended Total
Cantex Engineering & Construction Co. Ltd.–Penticton	418,174.35	
Columbia Bitulithic Ltd.–Vancouver	442,620.00	
Dawson Construction Ltd.–Kamloops	449,176.00	
Rorison Wiley Blacktop Ltd.–Williams Lake	461,038.00	Amended Total
Okanagan Aggregates Ltd.–Armstrong	489,040.60	Amended Total
A.C. Paving Company Ltd.–Burnaby	543,070.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
PAVING - continued		
Project S-3717: Asphalt Surfacing 1985-86: Highway 17 Patricia Bay Highway: McKenzie Avenue to Sayward Road (7.7 km) Saanich and The Islands Electoral District		
Marquis Contracting Ltd.-Victoria	1,288,035.00	Awarded
Capital Asphalt Ltd.-Victoria	1,386,534.00	
Hub City Paving Ltd.-Nanaimo	1,632,231.50	
Project S-3721: Asphalt Surfacing 1985-86: Saltspring Island and Galiano Island Misc. Roads (26.67 km) Saanich and The Islands Electoral District		
Jack Cewe Ltd.-Coquitlam	1,146,974.86	Awarded
Marquis Contracting-Victoria	1,296,690.00	
Hub City Paving Ltd.-Nanaimo	1,567,435.00	
Capital Asphalt Ltd.-Victoria	1,932,904.00	
Project S-3737: Asphalt Surfacing 1986-87: Highway 1 Sections: Ferrabee Tunnel to Jackass Mountain & Paving to North Bend (15.79 km), Yale-Lillooet Electoral District		
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	740,219.50	Awarded
Peters Bros. Paving (1981) Ltd.-Penticton	817,961.00	Amended Total
Dawson Construction Limited-Kamloops	818,892.37	
Grandview Blacktop Ltd.-Burnaby	820,214.90	Amended Total
Columbia Bitulithic Ltd.-Vancouver	828,100.65	
Project S-3812: Asphalt Surfacing 1985-86: Highway 3A from Keremeos to Yellow Lake and Sections of Highway 3 from Keremeos to Nighthawk Junction (32.25 km)		
Peter's Bros. Paving (1981) Ltd.-Penticton	1,316,980.00	Awarded-Amended Total
Dawson Construction Limited-Kamloops	1,620,428.00	Amended Total
Columbia Blacktop Ltd.-Malakwa	1,684,053.00	
Columbia Bitulithic Ltd.-Vancouver	1,782,533.01	
Emil Anderson Construction Co. Ltd.-Hope	1,836,915.00	Amended Total
H. Williamson Blacktop & Landscaping Ltd.-150 Mile House	1,920,345.00	
BRIDGES		
Project B-1420: Contract No. 3, Patullo Bridge Retrofitting: South Approach Bearing Replacement Bent No's 15, 16, 19, & 20 New Westminister and Surrey Electoral Districts		
Canron Inc. Western Bridge Division-Vancouver	976,661.00	Awarded
Van Construction Co.Ltd.-Burnaby	1,069,113.00	Amended Total
Jaemar Construction Co. Ltd.-Surrey	1,168,239.00	
Project B-1821: Replacement of Expansion Bearings of the Agassiz-Rosedale Bridge No. 1287 Chilliwack Electoral District		
Hitec Steel Construction Ltd.-Burnaby	22,900.00	Awarded
Cubit Construction Management Ltd.-Maple Ridge	43,890.00	Amended Total
Dominion Bridge-Vancouver		
A Unit of AMCA International Ltd.-New Westminster	54,970.00	
Van Vliet Construction Co. Ltd.-Burnaby	75,617.00	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
BRIDGES - continued		
Project B-2302: Clayhurst Bridge No. 2719 Clayhurst-Rolla Road No. 43 North Peace River/South Peace River Electoral District		
Dillingham Construction Ltd.-North Vancouver	6,165,028.00	Awarded
Manning Construction Ltd.-Aldergrove	6,330,290.00	Amended Total
Miller Contracting Ltd.-Langley	6,413,572.00	Amended Total
Kenyon Construction Ltd.-Penticton	6,465,044.00	Amended Total
Goodbrand Construction Ltd.-Aldergrove	7,231,655.00	Amended Total
Project B-2347-0003: Boston Bar Bridge No. 1535 Boston Bar to North Bend Access Contract No. 4 Deck Spans 2, 3, 4, and 5, Yale-Lillooet Electoral District		
Precision Civil Installations Ltd.-Nanaimo	624,431.00	Awarded
Kanish Construction Corporation-Burnaby	633,181.50	
Protech Construction Ltd.-North Vancouver	666,666.00	
Andersen Contracting Ltd.-Parksville	669,613.00	
Mandrax Enterprises Ltd.-Revelstoke	748,610.00	Amended Total
Jaemar Construction Ltd.-Surrey	755,721.00	Amended Total
Project B-2387: Coquitlam River Bridge No. 2696 Coquitlam River Bridge No. 2696, Mary Hill Bypass Maillardville-Coquitlam Electoral District.		
Dillingham Construction Ltd.-North Vancouver	1,598,837.00	Awarded-Amended Total
Fraser River Pile Driving Co. Ltd.-New Westminster	1,629,695.00	Amended Total
Miller Contracting Ltd.-Langley	1,768,665.00	Amended Total
Kingston Construction Ltd.-Burnaby	1,824,514.50	
Sefton Construction Ltd.-Burnaby	1,829,168.41	Amended Total
Onyx Contractors Ltd.-Surrey	1,843,993.00	
Jace Cewe Ltd.-Coquitlam	1,846,629.00	
Peter Kiewit Sons Co. Ltd.- Richmond	1,869,085.00	Amended Total
Belmont Construction Ltd.-Burnaby	1,877,126.38	
Andersen Contracting Ltd.-Parksville	1,986,655.00	
Project B-2408: Mary Hill Bypass Overhead No. 2678 Cape Horn to Pitt River Highway Coquitlam-Moody Electoral District		
Talus Construction Ltd.-Aldergrove	764,356.00	Awarded-Amended Total
Phased Construction Ltd.-North Vancouver	769,179.00	
Sefton Construction Ltd.-Burnaby	793,025.50	Amended Total
Miller Contracting Ltd.-Langley	812,661.00	Amended Total
Timberline Properties Ltd.-North Vancouver	818,688.23	
Kingston Construction Ltd.-Burnaby	826,168.80	
Andersen Contracting Ltd.- Parksville	830,481.25	
Belmont Construction Ltd.-Burnaby	832,205.52	
Kerkhoff Construction Group Ltd.-Chilliwack	838,939.00	Amended Total
Smith Bros. & Wilson Limited-Vancouver	846,978.54	
Grimwood Construction Co. Ltd.-Vancouver	864,197.00	Amended Total
Crossroads Construction Co. Ltd.-Prince George	872,410.00	Amended Total
Batoni Properties Ltd.-Edmonton	954,264.98	Amended Total
Jack Cewe Ltd.-Coquitlam	967,431.00	
Project B-2409: Alberta Creek Bridge No. 1463 and Approaches Garibaldi Highway No. 99, Contract No. 1 - General West Vancouver-Howe Sound Electoral District		
Manning Construction Ltd.-Aldergrove	968,899.00	Awarded-Amended Total
Interland Contractors Ltd.-North Vancouver	1,113,472.00	Amended Total
Graehold Construction Corporation-West Vancouver	1,146,313.94	

Description of Work and Names of Tenderers		Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
BRIDGES - continued			
Project B-2795: Nordel Underpass - No. 2761, Annacis Highway Delta Electoral District			
Onyx Contractors Ltd.-Surrey		741,748.30	Awarded-Amended Total
Timberline Properties Ltd.-North Vancouver		799,646.56	Amended
B.G.M. Construction Ltd.-North Vancouver		825,000.00	
Miller Contracting Ltd.-Langley		827,361.00	Amended Total
Smith Bros. & Wilson Ltd.-Vancouver		828,258.47	Amended Total
Kingston Construction Ltd.-Burnaby		838,841.15	
Jack Cewe Ltd.-Coquitlam		844,838.63	
Kerkhoff Construction Ltd.-Chilliwack		846,069.00	Amended Total
Grimwood Construction Co. Ltd.-Vancouver		847,973.00	Amended Total
Jaemar Construction Co. Ltd.-Surrey		864,000.00	Amended Total
Hansa Construction Ltd.-New Westminster		878,862.00	
Talus Construction Ltd.-Aldergrove		889,002.00	Amended Total
Peter Kiewit Sons Co. Ltd.		1,032,237.00	Amended Total
W.A. Stephenson Construction (Western) Ltd.-Vancouver		1,113,080.00	Amended Total
Project B-2796: 84th Ave. BNR Overhead No. 2821 Annacis Highway, Delta Electoral District			
Kerkhoff Construction Ltd.-Chilliwack		2,985,787.50	Awarded-Amended Total
Onyx Contractors Ltd.-Surrey		3,003,868.50	
Belmont Construction Ltd.-Burnaby		3,075,134.05	
Grimwood Construction Co. Ltd.-Vancouver		3,119,384.00	Amended Total
Smith Bros. & Wilson Limited-Vancouver		3,163,038.33	Amended Total
Jaemar Construction Co. Ltd.-Surrey		3,145,026.00	Amended Total
Miller Contracting Ltd.-Langley		3,173,160.50	Amended Total
Kingston Construction Ltd.-Burnaby		3,245,659.65	Amended Total
Hansa Construction Ltd.-New Westminster		3,268,813.00	
Timberline Properties Ltd.-North Vancouver		3,291,200.50	Amended Total
Dillingham Construction Ltd.-North Vancouver		3,339,908.00	Amended Total
Peter Kiewit Sons Co. Ltd.-Richmond		3,441,947.00	Amended Total
W.A. Stephenson Contraction (Western) Ltd.-Vancouver		3,608,980.00	Amended Total
Sefton Construction Ltd.-Burnaby		3,618,800.04	Amended Total
Sceptre-Riedel Dawson Constructors-Richmond		3,655,959.60	Amended Total
P.C.L. Constructors Western Inc.-Richmond		3,669,222.41	Amended Total
D.G.S. Construction Co.Ltd.-Surrey		3,781,188.50	Amended Total
Project B-2882: Great Bear Snow Shed No. 2850 Coquihalla Highway Yale-Lillooet Electoral District			
Kerkhoff Construction Group Ltd.-Chilliwack	"1"	5,586,600.17	Amended Total
	"2"	5,524,672.67	Awarded-Amended Total
Belmont Construction Ltd.-Burnaby	"1"	5,880,331.87	Amended Total
	"2"	5,814,445.87	Amended Total
Verigin Construction (1983) Ltd.-Vancouver	"1"	5,922,856.51	Amended Total
	"2"	5,817,539.36	Amended Total
Miller Contracting Ltd.-Langley	"1"	5,925,738.00	
	"2"	5,864,448.00	
Hansa Construction Ltd.-New Westminster	"2"	6,049,656.00	
Smith Bros. & Wilson Limited-Vancouver	"1"	6,695,299.56	
	"2"	6,616,905.06	
Cana Construction Co. Ltd.-Richmond	"2"	6,780,356.00	
Jaemar Construction Co. Ltd.-Surrey	"1"	7,018,551.00	Amended Total
	"2"	6,986,901.00	Amended Total
Pitts Engineering Construction Ltd-Vancouver	"1"	7,281,890.00	
	"2"	7,243,680.00	
Goodbrand Construction Ltd.-Aldergrove	"1"	7,652,430.00	Amended Total
Peter Kiewit Sons Co. Ltd.-Richmond	"1"	8,086,752.00	Amended Total
	"2"	8,028,377.00	Amended Total
Tonto Construction Equipment Ltd.-Kelowna	"1"	8,943,406.00	Amended Total
	"2"	8,840,815.00	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
BRIDGES - continued		
Project B-2899: Rattlesnake Bridge No. 677, Spences Bridge to Merritt Highway, Yale-Lillooet Electoral District		
Batoni Properties Ltd.-Edmonton	559,033.11	
Rone Contractors Ltd.-Victoria	1,359,297.96	Awarded-Amended Total
Theo Construction Ltd.-Kamloops	1,433,649.78	Amended Total
Kenyon Construction Ltd.-Penticton	1,435,843.20	Amended Total
Smith Bros. & Wilson Ltd.-Vancouver	1,447,146.37	Amended Total
Miller Contracting Ltd.-Langley	1,469,195.00	Amended Total
Andersen Contracting Ltd.-Parksville	1,506,940.16	
Dillingham Construction Ltd.-North Vancouver	1,510,801.00	
Kingston Construction Ltd.-Burnaby	1,513,984.68	
Verigin Construction (1963) Ltd.-Vancouver	1,555,730.08	Amended Total
Mackim Construction Co. Ltd.-West Vancouver	1,560,891.00	
Peter Kiewit & Sons Co. Ltd.-Richmond	1,585,392.00	Amended Total
Jaemar Construction Co. Ltd.-Surrey	1,599,454.00	Amended Total
Crossroads Construction Co. Ltd.-Prince George	1,637,059.00	Amended Total
Badger Construction Ltd.-Coquitlam	1,647,554.40	Amended Total
Sandbar Construction Ltd.-Saanichton	1,698,888.00	
Project B-2937: Ottomite South Bridge No. 2852 & Ottomite North Bridge No. 2884, Coquihalla Highway Yale-Lillooet Electoral District		
Fas-Trac Construction Ltd.-Abbotsford	1,380,952.96	Amended Total
Greyback Construction Ltd.-Penticton	1,528,980.30	Awarded-Amended Total
Kanish Construction Corporation-Burnaby	1,544,900.44	Amended Total
O.K. Construction Ltd.-Burnaby	1,545,410.80	Amended Total
Miller Contracting Ltd.-Langley	1,699,291.50	Amended Total
Mandrax Enterprises Ltd.-Revelstoke	1,896,460.06	Amended Total
Project B-2947: Lion's Gate Bridge No. 1461 Modifications, Installation of Hand Strands on Main Cables Installation of Ornamental Lighting, West Vancouver-Howe Sound Electoral District		
Dominion Bridge-Vancouver	828,020.00	Awarded-Amended Total
Surrey Iron Works-Surrey	948,197.00	
Brittain Steel Ltd.-New Westminster	1,283,635.00	Amended Total
Hitec Steel Construction Ltd.-Burnaby	1,431,177.00	Amended Total
Canron Inc. Western Bridge Division-Vancouver	1,566,131.00	
Project B-2963: Lion's Gate Bridge Modifications Installation of Protection Berm for North Main Pier West Vancouver - Howe Sound Electoral District		
Grachold Construction-West Vancouver	80,820.00	Awarded
Foster's Construction-Surrey	133,900.00	
Fraser River Pile Driving-New Westminster	162,280.00	Amended Total
Edco Construction Co.-Vancouver	199,600.00	
Dillingham Construction-North Vancouver	214,310.00	
Miller Contracting-Langley	264,250.00	Amended Total
C.M.S. Contractors-Burnaby	361,800.00	
Jack Cewe Ltd.-Coquitlam	426,284.00	
Project B-3023: Albion and McMillan Island Ferry Terminals General Contract for Replacement of Ramps, Aprons & Pontoons Dewdney & Langley Electoral Districts		
Dillingham Construction Ltd.-North Vancouver	277,800.00	Awarded-Amended Total
Fraser River Pile Driving Company Ltd.-New Westminster	305,000.00	
Norelco Industries Ltd.-Surrey	336,385.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
BRIDGES - continued		
Project B-3032: Watershed Park Overpass No. 2870 Annacis Highway, Delta Electoral District		
Onyx Contractors Ltd.-Surrey	547,925.00	Awarded
Miller Contracting Ltd.-Langley	548,979.00	Amended Total
Swagger Construction Ltd.-Abbotsford	549,900.00	Amended Total
Andersen Contracting Ltd.-Parksville	598,815.00	
Talus Construction Ltd.-Aldergrove	599,093.00	Amended Total
Project B-3034: Highway 10 BNR Overhead, Highway 10 Access Ramp BNR Overhead - Annacis Highway, Delta Electoral District		
B.G.M. Construction Ltd.-North Vancouver	2,292,785.00	Awarded-Amended Total
Kerkhoff Construction Group Ltd.-Chilliwack	2,443,202.00	Amended Total
Sefton Construction Ltd.-Burnaby	2,483,834.61	Amended Total
Onyx Contractors Ltd.-Surrey	2,507,110.00	
Miller Contracting Ltd.-Langley	2,540,905.00	Amended Total
Grimwood Construction Ltd.-Vancouver	2,551,495.00	
Peter Kiewit Sons Co. Ltd.-Richmond	2,711,860.00	Amended Total
Westmount Construction Ltd.-Burnaby	2,792,180.10	Amended Total
Project B-3040: Westminster Highway Underpass Improvements Vancouver-Blaine Highway 99, Richmond Electoral District		
Knappet Construction Ltd.-Victoria	305,044.00	Awarded
Interland Contractors Ltd.-North Vancouver	311,158.83	Amended Total
Smith Bros. & Wilson Ltd.-Vancouver	367,505.14	Amended Total
Kingston Construction Ltd.-Burnaby	368,326.00	
Grimwood Construction Co. Ltd.-Vancouver	368,910.00	Amended Total
M D M Enterprises Ltd.-Langley	472,457.58	Amended Total
Alnor Services Ltd.-Surrey	544,549.00	
Project B-3094: Berkey Creek Bridge No. 1207 Hope-Princeton Highway, Yale-Lillooet Electoral District		
Mandrax Enterprises Ltd.-Revelstroke	184,288.10	Awarded-Amended Total
Burghall Construction Ltd.-Penticton	197,077.00	Amended Total
Theo Construction Ltd.-Kamloops	203,201.70	Amended Total
Shamrock Trucking Ltd.-Delta	211,246.20	
Precision Civil Installation Ltd.-Nanaimo	231,653.00	
Sefton Construction Ltd.-Burnaby	237,229.75	Amended Total
Calla Construction (1980) Ltd.-Peachland.	274,080.00	
Kingston Construction Ltd.-Burnaby	283,026.90	
Kanish Construction Corporation-Burnaby	284,176.62	
Goodbrand Construction Ltd.-Aldergrove	285,478.00	Amended Total
Fas-Trac Construction Ltd.-Abbotsford	298,366.67	Amended Total
5-S Contractors Ltd.-Kamloops	316,495.00	Amended Total
Talus Construction Ltd.-Aldergrove	339,361.00	Amended Total
Project B-3102: Highway 10 Underpass No. 2756 Annacis Highway, New Westminster Electoral District		
Onyx Contractors Ltd.-Surrey	1,412,730.40	Awarded
O.K. Construction Ltd.-Burnaby	1,421,369.53	Amended Total
Miller Contracting Ltd.-Langley	1,474,957.60	
Wilson Industries Inc.-Burnaby	1,486,974.62	Amended Total
Jaemar Construction Co. Ltd.-Surrey	1,491,275.00	Amended Total
Kanish Construction Corporation-Burnaby	1,508,867.17	Amended Total
Grimwood Construction Co. Ltd.-Vancouver	1,516,101.85	
Andersen Contracting Ltd.-Parksville	1,555,968.65	
Talus Construction Ltd.-Aldergrove	1,625,537.06	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
BRIDGES - continued		
Project B-3255: Yellowhead Fraser River Crossing No. 2808 Yellowhead Highway 16, Prince George South Electoral District		
Miller Contracting-Langley	16,350,144.60	Awarded-Amended Total
Commonwealth Constr.Co.-Burnaby	16,549,293.00	Amended Total
Dillingham Construction Ltd.-North Vancouver	16,560,112.00	
Manning Construction-Aldergrove	16,737,188.00	Amended Total
Foundation Co. of Canada-Vancouver	17,431,021.10	
Northern Construction-Vancouver	17,514,245.00	
Verigan Construction-Vancouver	17,633,014.87	
W.A. Stephenson Constr.-Vancouver	18,477,130.00	Amended Total
Goodbrand Construction-Aldergrove	18,619,220.00	Amended Total
Peter Kiewit Sons Co.-Richmond	19,568,245.00	Amended Total
PCL Constructors West-Richmond	19,503,174.00	
Project B-3339 #1: Lion's Gate Bridge No. 1481 Modifications, Tower Repairs, West Vancouver-Howe Sound Electoral District		
Surrey Ironworks Ltd.-Surrey	296,118.64	Awarded
Hitec Steel Construction Ltd.-Burnaby	316,623.88	
Dominion Bridge-Vancouver		
A Unit of AMCA International Ltd.-New Westminster	368,445.80	Amended Total
Brittain Steel Ltd.-New Westminster	435,450.38	
Canron Inc. Western Bridge Division -Vancouver	4,187,707.62	Amended Total
Project B-3339 #2 Lions' Gate Bridge No. 1481 Modifications Suspended Spans Sidewalk Repairs, West Vancouver-Howe Sound Electoral District		
Pro Steel Erectors Ltd.-Delta	103,426.00	Awarded
Continental Steel Ltd.-Coquitlam	114,507.00	
Total Coatings Ltd.-Victoria	119,880.00	
Sanco Enterprises Ltd.-New Westminster	134,001.00	
Dominion Bridge-Vancouver		
A unit of AMCA International Ltd.-New Westminster	143,057.07	Amended Total
Hitec Steel Construction Ltd.-Burnaby	143,900.01	Amended Total
Solid Rock Steel Fab.Co.Ltd.-Surrey	176,769.00	
Canron Inc., Western Bridge Division-Vancouver	178,443.00	
Great West Steel Industries Ltd.-New Westminster	219,915.00	
Empire Iron Works Ltd.-Delta	249,534.00	
Project B-3342: Shylock Road Underpass No. 2834 Coquihala Highway, Yale-Lillooet Electoral District		
O.K. Construction Ltd.-Burnaby	348,018.54	Awarded-Amended Total
Kanish Construction Corporation-Burnaby	392,822.00	
Miller Contracting Ltd.-Langley	412,455.00	
Project B-3345: St. Cyr Creek Bridge No. 2860, Highway 23 Revelstoke-Mica, Shuswap - Revelstoke Electoral District		
Bilco Construction Ltd.-Nanaimo	770,324.00	Awarded
Jaemar Construction Co. Ltd.-Surrey	820,425.00	Amended Total
Mandrax Enterprises Ltd.-Revelstoke	892,925.00	
Manning Construction Ltd.-Aldergrove	974,205.00	Amended Total
Nu-Trend Construction Ltd.-Revelstoke	1,072,388.10	Amended Total
Talus Construction Ltd.-Aldergrove	1,112,372.50	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
BRIDGES - continued		
Project B-3346: Annacis Bridge No. 2753, Annacis Highway, Parapet Railing North & South Approaches Sidewalk North Approach Delta & New Westminster Electoral Districts		
Ebco Industries Ltd.-Richmond	898,160.30	Awarded-Amended Total
M Three Steel Services Ltd.-Kamloops	916,134.32	
X.L. Ironworks Co.-Surrey	1,087,817.38	
Norelco Industries Ltd.-Surey	1,097,436.96	Amended Total
M-Tec Steel Industries Ltd.-Delta	1,122,965.69	Amended Total
Dillingham Construction Ltd.-North Vancouver	1,132,177.97	Amended Total
Brittain Steel Ltd.-New Westminster	1,258,708.71	
Surrey Iron Works Ltd.-Surrey	1,280,889.42	Amended Total
Continental Steel Ltd.-Coquitlam	1,329,859.52	
Solid Rock Steel Fabricating Co. Ltd.-Surrey	1,669,660.00	
Project B-3380: Construction Complete of Thomas Creek Bridge No. 7798, Stewart-Cassiar Highway 37, Atlin Electoral District		
Bud's Truck & Equipment Ltd.-Terrace	656,850.00	Awarded-Amended Total
Project B-3381: Beaverpond Creek Bridge No. 2511 Stewart-Cassiar Highway 37, Atlin Electoral District		
Bud's Truck & Equipment Ltd.-Terrace	400,835.00	Awarded-Amended Total
Stikine Construction Ltd.-Prince Rupert	415,063.90	
Bilco Construction Ltd.-Lantzville	416,000.00	
Anderson Contracting Ltd.-Parksville	514,986.00	
Mandrax Enterprises Ltd.-Revelstoke	546,965.00	
Project B-3382: Spruce Creek Bridge No. 7624 Stewart-Cassiar Highway 37, Atlin Electoral District		
Bud's Truck & Equipment Lt.-Terrace	520,025.00	Awarded
Kenyon Construction Ltd.-Penticton	526,315.00	
Artic Coast Construction Ltd.-Langley	568,001.00	Amended Total
Miller Contracting Ltd.-Langley	659,190.00	Amended Total
Jaemar Construction Co. Ltd.-Surrey	716,000.00	Amended Total
Project B-3390: Jacombs Road Underpass No. 2861 Richmond East-West Freeway, Richmond Electoral District		
Mandrax Enterprises Ltd.-Revelstoke	415,644.51	Awarded-Amended Total
Kingston Construction Ltd.-Burnaby	422,137.66	
Kanish Construction Corporation-Burnaby	428,464.00	
Maple Engineering & Construction Canada Ltd.	429,370.00	
Knappett Construction Ltd.-Saanichton	434,876.50	Amended Total
Henningson Construction Ltd.-Surrey	443,452.00	
Smith Bros. & Wilson Limited-Vancouver	446,529.92	Amended Total
O.K. Construction Ltd.-Burnaby	448,401.24	Amended Total
Interland Contractors Ltd.-North Vancouver	454,167.27	
Grimwood Construction Co. Ltd.-Vancouver	476,000.00	Amended Total
Talus Construction Ltd.-Aldergrove	476,525.70	Amended Total
Manning Construction Ltd.-Aldergrove	622,648.00	
Van Construction, a Div. of Van Vliet Construction Co. Ltd.-Burnaby	2,000,000.00	
Project B-3391: Cleaning & Coating George Massey Tunnel Delta-Richmond Electoral District		
Atlas Painting & Decorating Ltd.-Richmond	392,141.80	Awarded-Amended Total
E. Raitt Painters Ltd.-Richmond	434,122.59	
J. Boshard & Son Ltd.-Vancouver	461,770.87	Amended Total
Dynacor Coatings Ltd.-Delta	541,482.65	
Cana Construction Co. Ltd.-Richmond	665,565.45	
Kerschbaumer Coatings Ltd.-Coquitlam	824,989.00	
Sprayaway Enterprises Ltd.-Burnaby	890,460.98	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
BRIDGES - continued		
Project No.B-3407: Boundary Road Overpass No. 2812 Annacis Highway, New Westminster Electoral District		
Mandrax Enterprises Ltd.-Revelstoke	912,255.50	Awarded-Amended Total
O.K. Construction Ltd.-Burnaby	916,500.39	Amended Total
Knappett Construction Ltd.-Victoria	94[illegible],623.50	Amended Total
Grimwood Construction Co. Ltd.-Vancouver	949,864.40	Amended Total
Interland Contractors Ltd.-North Vancouver	955,468.79	
Fes-Tras Construction Ltd.-Abbotsford	958,960.73	Amended Total
Maple Engineering & Construction Canada Ltd.-Burnaby	972,770.00	
Farmer Construction Ltd.-Victoria	973,412.30	
Kingston Construction Ltd.-Burnaby	973,614.80	
Manning Construction Ltd.-Aldergrove	977,177.00	Amended Total
Jasmar Construction Co. Ltd.-Surrey	979,700.50	Amended Total
Miller Contracting Ltd.-Langley	986,632.10	Amended Total
Smith Bros. & Wilson Limited-Vancouver	1,017,863.86	
Guy F. Atkinson Holdings Ltd.-Burnaby	1,048,758.77	Amended Total
Van Vliet Construction Co. Ltd.-Burnaby	1,061,845.00	Amended Total
Wilson Industries Inc.-Burnaby	1,010,266.00	Amended Total
Talus Construction Ltd.-Aldergrove	1,010,372.30	Amended Total
Project No.B-3521: Patterson Avenue Pedestrian Overpass No. 2771, Burnaby-Willingdon Electoral District		
Maple Engineering & Construction Canada Ltd.-Burnaby	175,674.00	Awarded-Amended Total
Interland Contractors Ltd.-Vancouver	176,600.00	Amended Total
Knappett Construction Ltd.-Victoria	192,996.21	
Kingston Construction Ltd.-Burnaby	194,124.50	
Bennico Builders Ltd.-Abbotsford	196,907.80	
B.G.M. Construction Ltd.-North Vancouver	197,000.06	Amended Total
Jack Cewe Ltd.-Coquitlam	199,927.41	
Talus Construction Ltd.-Aldergrove	212,163.56	Amended Total
Kerkhoff Construction Group Ltd.-Chilliwack	236,857.90	Amended Total
Wilson Industries Inc.-Burnaby	281,735.00	Amended Total
Project B-3531: Mud Bay Overpass No. 2757 Annacis Highway, Delta Electoral District		
B.G.M. Construction Ltd.-North Vancouver	728,700.00	Awarded
Interland Contractors Ltd-North Vancouver	752,788.40	Amended Total
Maple Eng. & Construction-Burnaby	794,400.00	
Smith Bros. & Wilson Limited-Vancouver	79[illegible],292.37	Amended Total
Kerkhoff Construction Group Ltd.-Chilliwack	797,094.00	Amended Total
M D M Enterprises Ltd.-Langley	797,396.30	Amended Total
Grimwood Construction Co. Ltd.-Vancouver	800,830.00	Amended Total
Manning Construction Ltd.-Aldergrove	803,814.00	Amended Total
Jack Cewe Ltd.-Coquitlam	830,793.00	
Project B-3554: Second Narrows Crossing No. 1450 Taylor Way to Cassiar St., Wind Anchors Modification Vancouver East, Burnaby North, and North Vancouver-Seymour Electoral Districts		
Dominion Bridge-New Westminister	28,730.00	Awarded-Amended Total
Canron Inc.-Vancouver	32,000.00	
Hitec Steel Constr.-Burnaby	81,900.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
BRIDGES - continued		
Project B-3555: Atwood Bridge No. 1234, Atwood East Gilpin Road, Boundary-Similkameen Electoral District		
Kenyon Construction-Penticton	810,300.90	Awarded-Amended Total
Bilco Construction-Lantzville	859,247.40	
Greyback Construction-Penticton	862,471.32	Amended Total
Manning Construction-Aldergrove	891,979.60	Amended Total
Protech Construction-North Vancouver	893,700.00	
Vic Van Isle Contr.-Revelstoke	906,496.90	Amended Total
Knappett Construction-Saanichton	928,419.80	
Miller Contracting-Langley	932,113.20	Amended Total
Mandrax Enterprises-Revelstoke	946,028.46	Amended Total
Nu-Trend Construction-Revelstoke	977,174.87	Amended Total
Verigin Construction-Vancouver	1,0[illegible],575.58	Amended Total
Artic Coast Constr.-Langley	1,029,327.00	Amended Total
Theo Construction-Kamloops	1,040,779.00	Amended Total
Project No: B-3556: Old Clayburn Underpass No. 2806 Abbotsford Bypass, Central Fraser Valley Electoral District		
Iota Construction Ltd.-Abbotsford	490,137.82	Awarded-Amended Total
John R. Voth Company Ltd.-Abbotsford	516,969.00	
Jack Cewe Ltd.-Coquitlam	522,708.10	Amended Total
Neelco Construction (1986) Ltd.-Sardis	526,537.75	Amended Total
M D M Enterprises Ltd.-Langley	545,943.00	Amended Total
Interland Contractors- North Vancouver	554,550.30	Amended Total
Smith Bros. & Wilson Limited-Vancouver	563,371.81	Amended Total
River Construction Ltd.-Chilliwack	578,370.75	Amended Total
Talus Construction Ltd.-Aldergrove	580,090.00	Amended Total
Jaemar Construction Co. Ltd.-Surrey	583,147.00	Amended Total
Maple Eng. & Constr. Canada Ltd.-Burnaby	591,300.00	Amended Total
O.K. Construction Ltd.-Burnaby	584,000.21	Amended Total
Davan Construction Ltd.-Mission	606,872.15	Amended Total
Kingston Construction Ltd.-Burnaby	669,847.50	
Project B-3641: Mud Bay B.C. Rail Overhead No. 2755 Annacis Highway, Delta Electoral District		
Neelco Construction (1986) Inc.-Sardis	390,768.25	Awarded-Amended Total
Jack Cewe Ltd.-Coquitlam	411,881.00	
Grimwood Construction Co. Ltd.-Vancouver	412,885.00	Amended Total
Smith Bros. & Wilson Limited-Vancouver	416,000.00	Amended Total
River Construction Ltd.-Chilliwack	421,520.00	Amended Total
Kingston Construction Ltd.-Burnaby	435,581.00	
B.G.M. Construction Ltd.-North Vancouver	442,365.00	
Interland Constractors Ltd.-North Vancouver	444,711.75	Amended Total
Wilson Industries Ltd.-Burnaby	447,870.00	Amended Total
O.K. Construction Ltd.-Burnaby	448,073.69	Amended Total
Talus Construction Ltd.-Aldergrove	452,640.00	Amended Total
Maple Engineering & Construction Canada Ltd.-Burnaby	455,200.00	Amended Total
Mutual Construction Ltd.-Burnaby	520,947.00	Amended Total
W.A. Stephenson Construction(Western)Limited-Vancouver.	598,800.00	Amended Total
Project B-3670: Thompson Road Pedestrian Overpass No. 2820 Annacis Highway, New Westminister Electoral District		
Smith Bros. & Wilson Ltd.-Vancouver	301,452.09	Awarded-Amended Total
Maple Engineering & Construction-Burnaby	309,700.00	Amended Total
M.D.M. Enterprises Ltd.-Langley	313,656.00	
Wilson Industries Inc.-Burnaby	315,374.20	Amended Total
Grimwood Construction-Vancouver	319,058.10	Amended Total
Tomoko Enterprises Inc.-Abbotsford	319,601.50	
Jack Cewe Ltd.-Coquitlam	319,688.00	
Kingston Construction Ltd.-Burnaby	324,000.35	
Miller Contracting Ltd-Langley	324,867.00	
Interland Contractors Ltd-North Vancouver	326,478.01	Amended Total
Talus Construction Ltd.-Aldergrove	346,280.00	Amended Total

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
BRIDGES - continued		
Project B-3677: Garneau Flyover No. 2863 Richmond East/West Freeway, Richmond Electoral District		
Grimwood Construction Co. Ltd.-Vancouver	252,882.50	Awarded-Amended Total
Tomoko Enterprises Inc.- Abbotsford	254,835.50	Amended Total
Neeloo Construction-Sardis	260,623.30	Amended Total
Jack Cewe Ltd.-Coquitlam	269,033.00	
Mandrax Enterprises-Revelstroke	289,224.50	Amended Total
Smith Bros. & Wilson Limited-Vancouver	295,093.33	Amended Total
Interland Contractors Ltd.-North Vancouver	284,199.50	Amended Total
Maple Engineering & Construction Canada Ltd.-Burnaby	298,700.00	Amended Total
River Construction Ltd.-Chilliwack	301,064.00	Amended Total
M D M Enterprises Ltd.-Langley	304,543.84	Amended Total
Talus Construction Ltd.-Aldergrove	313,677.00	Amended Total
Wilson Industries Inc.-Burnaby	319,813.00	Amended Total
B.G.M. Construction Ltd.-North Vancouver	327,600.00	
Kingston Construction Ltd.-Burnaby	353,863 80	
Project B-3684: Re: Construction: Ralph River Bridge Approaches and Ralph River Bridge: Western Mines Rd. No. 690 Comox Electoral District		
Andersen Contracting Ltd.-Parksville	488,431.50	Awarded
Precision Civil Installations Ltd.-Nanaimo	494,296.00	Amended Total
Inland Bridge Ltd.-Prince George	507,025.82	Amended Total
Knappett Construction Ltd.-Victoria	521,466.80	Amended Total
Kanish Construction Corp.-Burnaby	534,086.00	
Fraser River Pile Driving Co. Ltd.-New Westminster	549,667.00	Amended Total
GRAVEL CRUSHING		
Project M-3000 - Crushed Granular Aggregate in Stockpile		
Contract 0001: Forestry and Morris Valley Pits, Chilliwack Highway District, Yale-Lillooet Electoral District		
Chinook Aggregates Ltd.-Vernon	124,200.00	Awarded
Island Asphalt Ltd.-Victoria	139,200.00	
E & M Crushing Ltd.-Abbotsford	142,800.00	
Okanagan Aggregates Ltd.-Armstrong	150,000.00	
D.M.J. Construction Ltd.-Kelowna	163,600.00	
Columbia Bitulithic Ltd.-Vancouver	170,000.00	
Goodbrand Construction Ltd.-Aldergrove	223,800.00	Amended Total
Miller Contracting Ltd.-Langley	226,000.00	
Contract 0002: Moir Pit No. 3557A, Cranbrook Highway District: Husband Pit No. 3956A, Creston Highway District Kootenay and Nelson-Creston Electoral District		
Louis Salvador and Sons Ltd.-Cranbrook	89,870.00	Awarded
Okanagan Aggregates Ltd.-Armstrong	129,300.00	Amended Total
D.M.J. Construction Ltd.-Kelowna	144,000.00	
Contract 0003: Glade Pit No. 3103A and Proctor Pit No. 3117A Nelson Highway District, Yale-Lillooet Electoral District		
Chinook Aggregates Ltd.-Vernon	53,275.00	Awarded
Jack Williamson Paving Ltd.-Trail	66,375.00	
D.M.J. Construction Ltd.-Kelowna	74,750.00	
Louis Salvador and Sons Ltd.-Cranbrook	83,625.00	
Okanagan Aggregates Ltd.-Armstrong	91,750.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
GRAVEL CRUSHING - continued		
Contract 0004: Airport Pit No. 4219B: Quesnel Highway District, Cariboo Electoral District		
Vernon Paving Ltd-Vernon	77,400.00	Awarded
767 Contractors Ltd.-Penticton	84,300.00	
Columbia Bitulithic Ltd.-Vancouver	87,600.00	Amended
W.E. Robertson Construction Co. Ltd.-Prince George	87,600.00	
Quesnel Redi-Mix Cement (1984) Co. Ltd.-Quesnel	88,500.00	
Ever Redi Concrete Products-Quesnel	90,000.00	
Okanagan Aggregates Ltd.-Armstrong	108,000.00	
H. Williamson Blacktop and Landscaping Ltd.-150 Mile House	180,000.00	
Contract 0005: Imperial Pit No. 4429: Fort St. John Highway District, North Peace River Electoral District		
W.E. Robertson Construction Co. Ltd.-Prince George	86,900.00	Awarded
Lorean Enterprises Inc.-Fort St. John	92,650.00	
Okanagan Aggregates Ltd.-Armstrong	114,500.00	
Miller Contracting Ltd.-Langley	127,500.00	Amended
767 Contractors Ltd.-Penticton	128,800.00	
Columbia Bitulithic Ltd.-Vancouver	150,500.00	
Contract 0006: Nusatsum and Atnarko Pits in the Williams Lake Highway District, Mackenzie Electoral District		
Harrys Concrete Aggregates-150 Mile House	125,540.00	Awarded Amended Total
Okanagan Aggregates Ltd.-Armstrong	162,000.00	
Ptarmigan Gravel Ltd.-Kamloops	173,500.00	
Columbia Bitulithic Ltd.-Vancouver	177,900.00	Amended Total
767 Contractors Ltd.-Penticton	267,280.00	
Contract 0007: D.L. 205 and Craik Pits: Fort St. John Highway District, North Peace River Electoral District		
D.M.J. Construction Ltd.-Kelowna	117,000.00	Awarded
Lorean Enterprises Inc.-Fort St. John	139,500.00	
Kentron Construction Ltd.-Kitimat	168,750.00	
Columbia Bitulithic Ltd.-Vancouver	186,900.00	
Okanagan Aggregates Ltd.-Armstrong	189,000.00	
767 Contractors Ltd.-Penticton	300,000.00	
Contract 0008: Patnode No. 4351, Bessey No. 4383 and Bullmoose No. 4390 Pits: Dawson Creek Highway District South Peace River Electoral District		
W.E. Robertson Construction Co. Ltd.-Prince George	151,060.00	Awarded
Lorean Enterprises Inc.-Fort St. John	158,550.00	
D.M.J. Construction Ltd.-Kelowna	174,500.00	
Taina Construction Ltd.-Vancouver	185,125.00	
Okanagan Aggregates Ltd.-Armstrong	193,000.00	
767 Contractors Ltd.-Penticton	202,300.00	
Contract 0009: Hanson Pit: Quesnel Highway District Cariboo Electoral District		
D.M.J. Construction Ltd.-Kelowna	68,700.00	Awarded
767 Contractors Ltd.-Penticton	74,100.00	Amended Total
Vernon Paving Ltd.-Vernon	74,700.00	
Ever Redi Concrete Products-Quesnel	75,000.00	
W.E. Robertson Construction Co. Ltd.-Prince George	80,100.00	
Columbia Bitulithic Ltd.-Vancouver	83,700.00	
Okanagan Aggregates Ltd.-Armstrong	86,700.00	Amended Total
H. Williamson Blacktop and Landscaping Ltd.-150 Mile House	87,000.00	
Miller Contracting Ltd.-Langley	117,000.00	
Hebert Construction Ltd.-Prince George	126,900.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
GRAVEL CRUSHING - continued		
Contract 0010: Johnson Pit No. 4304: Dawson Creek Highway District, South Peace River Electoral District		
Miller Contracting Ltd.-Langley	139,000.00	Awarded Amended Total
Columbia Bitulithic Ltd.-Vancouver	152,500.00	
767 Contractors Ltd.-Penticton	187,325.00	Amended Total
D.M.J. Construction Ltd.-Kelowna	188,500.00	
W.E. Robertson Construction Co. Ltd.-Prince George	198,100.00	
Okanagan Aggregates Ltd.-Armstrong	218,500.00	
Lorean Enterprises Inc.-Fort St. John	229,000.00	
Contract 0011: Fort Nelson Main Pit No. 4411: Fort St. John Highway District, North Peace River Electoral District		
Lorean Enterprises Inc.-Fort St. John	87,200.00	Awarded
D.G. Smith Engineering Ltd.-Langley	89,250.00	
Miller Contracting Ltd.-Langley	116,500.00	Amended Total
767 Contractors Ltd.-Penticton	128,150.00	Amended Total
Goodbrand Construction Ltd.-Aldergrove	149,450.00	
Okanagan Aggregates Ltd.-Armstrong	164,500.00	
Kentron Construction Ltd.-Kitimat	184,000.00	Amended Total
Columbia Bitulithic Ltd.-Vancouver	196,500.00	Amended Total
Contract 0012: Blue River Yard Pit: McBride Highway District, Kamloops Electoral District		
Ptarmigan Gravel Ltd.-Kamloops	99,150.00	Awarded
D.M.J. Construction Ltd.-Kelowna	105,300.00	
767 Contractors Ltd.-Penticton	135,575.00	Amended Total
Kentron Construction Ltd.-Kitimat	146,900.00	
Columbia Bitulithic Ltd.-Vancouver	147,725.00	
Okanagan Aggregates Ltd.-Armstrong	154,650.00	Amended Total
Miller Contracting Ltd.-Langley	164,250.00	Amended Total
Lorean Enterprises Inc.-Fort St. John	169,900.00	
Contract 0013: Towdystan Pit No. 4752A and McClinchy Pit No. 4771, Williams Lake, Cariboo Electoral District		
High Country Paving Corp.-Winfield	105,000.00	Awarded
Okanagan Aggregates Ltd.-Armstrong	114,900.00	Amended Total
D.M.J. Construction Ltd.-Kelowna	117,000.00	
Columbia Bitulithic Ltd.-Vancouver	142,200.00	
Ptarmigan Gravel Ltd.-Kamloops	143,100.00	
Contract 0014: Prine Pit No. 4554A and Lind Lake Pit No. 4512, Vanderhoof, Omineca Electoral District		
D.M.J. Construction Ltd.-Kelowna	47,600.00	Awarded
767 Contractors Ltd.-Penticton	54,400.00	Amended Total
W.E. Robertson Construction Co. Ltd.-Prince George	66,100.00	
Okanagan Aggregates Ltd.-Armstrong	68,000.00	Amended Total
Goodbrand Construction Ltd.-Aldergrove	121,600.00	Amended Total
Contract 0015: Boltz and Badger Pits and Rock Creek Yard, Grand Forks Highway District, Boundary-Similkameen Electoral District		
Inland Contracting & Sweeping Ltd.-Penticton	163,750.00	Awarded Amended Total
Vernon Paving Ltd.-Vernon	167,100.00	
Okanagan Aggregates Ltd.-Armstrong	184,000.00	Amended Total
D.M.J. Construction Ltd.-Kelowna	248,550.00	
Contract 0016: Raven Pit No. 6499T and Ladore Pit No. 2, Courtenay Highway District, Comox Electoral District		
Webb & Trace Ltd.-Victoria	129,200.00	Awarded
Coopers & Lybrand Ltd.-Campbell River	166,100.00	Amended
Island Asphalt Ltd.-Victoria	187,500.00	
Goodbrand Construction Ltd.-Aldergrove	249,100.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
GRAVEL CRUSHING - continued		
Contract 0017: Bull Canyon Pit No. 4768, Williams Lake Highway District, Cariboo Electoral District		
Rorison Enterprises Ltd.-Kamloops	100,860.00	Awarded
D.M.J. Construction Ltd.-Kelowna	109,360.00	
W.E. Robertson Construction Co. Ltd.-Prince George	121,320.00	
Goodbrand Construction Ltd.-Aldergrove	178,800.00	
Okanagan Aggregates Ltd.-Armstrong	220,890.00	
Contract 0018: Raysland Pit No. 4224E, Quesnel Highway District, Cariboo Electoral District		
D.M.J. Construction Ltd.-Kelowna	112,200.00	Awarded
Vernon Paving Ltd.-Vernon	113,500.00	
Ever Redi Concrete Products-Quesnel	117,500.00	
W.E. Robertson Construction Co. Ltd.-Prince George	125,200.00	
Okanagan Aggregates Ltd.-Armstrong	167,000.00	
Miller Contracting Ltd.-Langley	226,000.00	Amended Total
Goodbrand Construction Ltd.-Aldergrove	211,700.00	
Columbia Bitulithic Ltd.-Vancouver	273,500.00	
Contract 0019: Denman Island Highways Yard, Comox Electoral District		
TriMac Concrete Ltd.-Delta	74,600.00	Awarded
Jack Cewe Ltd.-Coquitlam	80,300.00	
Construction Aggregates Ltd.-Vancouver	85,600.00	
Island Asphalt Ltd.-Victoria	106,500.00	
Contract 0020: Wilde (Pugh) Pit No. 4468A, Fort St. John Highway District, North Peace River Electoral District		
W.E. Robertson Construction Co. Ltd.-Prince George	270,800.00	Awarded
D.M.J. Construction Ltd.-Kelowna	313,300.00	
Okanagan Aggregates Ltd.-Armstrong	323,000.00	
Miller Contracting Ltd.-Langley	396,300.00	Amended Total
Contract 0021: Gulf Islands, Saanich Highway District, Saanich and the Islands Electoral District		
Construction Aggregates Ltd.-Vancouver	171,460.00	Awarded
Jack Cewe Ltd.-Coquitlam	194,600.00	
Contract 0022: Olsen, Elko Sand and Tunnel Pits, Fernie Highway District, Kootenay Electoral District		
Louis Salvador and Sons Ltd.-Cranbrook	181,790.00	Awarded
Sholinder & MacKay Sand & Gravel Ltd.-Windermere	198,930.00	Amended Total
Okanagan Aggregates Ltd.-Armstrong	231,860.00	
Contract 0023: (Five Pits), Kamloops Highway District, Kamloops Electoral District		
Okanagan Aggregates Ltd.-Armstrong	181,100.00	Awarded
D.M.J. Construction Ltd.-Kelowna	223,125.00	
Inland Contracting & Sweeping Ltd.-Penticton	252,000.00	
Vernon Paving Ltd.-Vernon	269,320.00	
Dawson Construction Ltd.-Kamloops	293,840.00	
Goodbrand Construction Ltd.-Aldergrove	332,930.00	
Contract 0024: Woss Pit No. 6455F and 4 Mile Pit No. 6443B, Courtenay Highway District, North Island Electoral District		
Webb & Trace Ltd.-Victoria	113,200.00	Awarded
Island Asphalt Ltd.-Victoria	115,200.00	
Upland Excavating Ltd.-Campbell River	140,050.00	Amended Total
Contract 0025: Bold Point Pit No. 6486D, Quadra Island, Courtenay Highway District, Comox Electoral District		
Island Asphalt Ltd.-Victoria	80,760.00	Awarded
Webb & Trace Ltd.-Victoria	82,580.00	
Coopers & Lybrand Ltd., for Upland Excavating (1971) Ltd.-Campbell River	90,740.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
GRAVEL CRUSHING - continued		
Contract 0026: Bear Creek Pit No. 5382, Minto Pit No. 5380, Dease Lake Highway District, Atlin Electoral District		
Klippers Transfer Ltd.-Whitehorse, Y.T.	211,500.00	Awarded Amended Total
Lebarge Enterprises Ltd.-Whitehorse, Y.T.	249,600.00	
L.B. Paving Ltd.-Smithers	250,160.00	
Kentron Construction Ltd.-Kitimat	289,000.00	Amended Total
Okanagan Aggregates Ltd.- Armstrong	412,800.00	
Contract 0027: Stoney Creek Pit No. 3437E, Donnelly's Pit No. 3442B, New Denver Highway District, Okanagan North and Nelson-Creston Electoral District		
Okanagan Aggregates Ltd.-Armstrong	124,400.00	Awarded
D.M.J. Construction Ltd.-Kelowna	151,900.00	
Contract 0028: Stevens Pit No. 2505: Logan Lake East Pit No. 2553, Merritt Highway District, Yale-Lillooet Electoral District		
Inland Contracting & Sweeping Ltd.-Penticton	93,200.00	Awarded Amended Total
Okanagan Aggregates Ltd.-Armstrong	101,500.00	
D.M.J. Construction Ltd.-Kelowna	103,600.00	
Kentron Construction Ltd.-Kitimat	124,000.00	
Contract 0029: Thetis Island Highways Yard, Nanaimo Highway District, Cowichan-Malahat Electoral District		
Construction Aggregates Ltd.-Vancouver	55,170.00	Awarded
Jack Cewe Ltd.-Coquitlam	61,390.00	
Contract 0030: Spencer Pit No. 4224M, Harrington Pit, Quesnel Highway District, Cariboo Electoral District		
Chinook Aggregates Ltd.-Vernon	176,400.00	Awarded
Quesnel Redi-Mix Cement (1984) Co. Ltd.-Quesnel	190,400.00	
D.M.J. Construction Ltd.-Kelowna	238,700.00	
Columbia Bitulithic Ltd.-Vancouver	372,400.00	Amended Total
Miller Contracting Ltd.-Langley	385,000.00	
Inland Contracting & Sweeping Ltd.-Penticton	408,100.00	
Okanagan Aggregates Ltd.-Armstrong	441,000.00	Amended Total
Contract 0031: Airstrip, Devils Creek, Callison and Stikine North Pits, Dease Lake Highway District, Atlin Electoral District		
L.B. Paving Ltd.-Smithers	364,660.00	Awarded Amended Total
Kentron Construction Ltd.-Kitimat	506,000.00	Amended Total
Contract 0032: Green Lake 83 Mile Pit No. 2759, Jewell Pit No. 2702, Sheridan Lake Pit No. 2705, Scott Pit No. 2709, 100 Mile House Highway District, Cariboo Electoral District		
Rorison Enterprises Ltd.-Kamloops	301,850.00	Awarded
L & M Trucking (Len's Welding Ltd.)-Buffalo Creek	336,000.00	
Gord-Don Trucking Ltd.-Port Hardy	347,900.00	
Inland Contracting & Sweeping Ltd.-Penticton	359,200.00	Amended Total
Kentron Construction Ltd.-Kitimat	362,500.00	Amended Total
Cantex Engineering & Construction Co. Ltd.-Penticton	395,000.00	Amended Total
D.M.J. Construction Ltd.-Kelowna	473,100.00	
Okanagan Aggregates Ltd.-Armstrong	518,500.00	

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
GRAVEL CRUSHING - continued		
Contract 0033: Florence Pit No. 1501, Chilliwack Highway District, Yale-Lillooet Electoral District		
Inland Contracting & Sweeping Ltd.-Penticton	64,000.00	Awarded Amended Total
D.M.J. Construction Ltd.-Kelowna	74,600.00	
Columbia Bitulithic Ltd.-Vancouver	79,600.00	
E & M Crushing Ltd.-Abbotsford	97,400.00	
Miller Contracting Ltd.-Langley	112,000.00	
Okanagan Aggregates Ltd.-Armstrong	116,000.00	
Contract 0034: 251 Kaien Island Road, Prince Rupert Highways District, Prince Rupert Electoral District		
Eddy's Contracting Ltd.	70,600.00	Awarded
Kildala Land Development Co. Ltd.-Kitimat	107,450.00	
Contract 0035: Hankey-Darby Pit No. 2310, Baird Pit No. 2304, Vernon Highway District, Okanagan North and Shuswap-Revelstoke Electoral Districts		
D.M.J. Construction Ltd.-Kelowna	68,140.00	Awarded
293-578 B.C. Ltd.-Vernon	78,500.00	Amended Total
Gord-Don Trucking Ltd.-Port Hardy	84,450.00	
Inland Contracting & Sweeping Ltd.-Penticton	88,400.00	Amended Total
Okanagan Aggregates Ltd.-Armstrong	119,950.00	Amended Total
Contract 0036: Lower Mud River Pit No. 4186 and Pinko Pit No. 4136, Prince George Highway District, Prince George South Electoral District		
Gord-Don Trucking Ltd.-Port Hardy	91,500.00	Awarded
D & H Crushing Ltd.-Prince George	139,200.00	
Okanagan Aggregates Ltd.-Armstrong	144,000.00	
Kildala Land Development Co. Ltd.-Kitimat	150,000.00	
Contract 0037: Six Mile Pit No. 5530, Burns Lake Highway District, Omineca Electoral District		
Kildala Land Development Co. Ltd.-Kitimat	63,600.00	Awarded
Pittman Asphalt Co. Ltd.-Prince George	64,350.00	
16-25 Transport Ltd.-Terrace	89,250.00	
Contract 0038: Coldwater Pit, Merritt Highway District, Yale-Lillooet Electoral District		
Inland Contracting & Sweeping Ltd.-Penticton	82,000.00	Awarded
Dawson Construction Ltd.-Kamloops	97,400.00	
Jake Jay Holdings Ltd.-Revelstoke	111,800.00	
D.M.J. Construction Ltd.-Kelowna	132,000.00	
Okanagan Aggregates Ltd.-Armstrong	152,000.00	
Miller Contracting Ltd.-Langley	176,000.00	Amended Total
Contract 0039: Erie Pit No. P3119C, Nelson Highway District, Nelson-Creston Electoral District		
D.M.J. Construction Ltd.-Kelowna	66,700.00	Awarded
Inland Contracting & Sweeping Ltd.-Penticton	75,000.00	Amended Total
Sholinder & MacKay Sand & Gravel Ltd.-Windermere	88,850.00	
Okanagan Aggregates Ltd.-Armstrong	100,000.00	
Contract 0040: Dome Airstrip Pit No. 5106C, American Creek Pit No. 5106B, District of Stewart Pit, Prince Rupert Highway District, Atlin Electoral District		
16-25 Transport Ltd.-Terrace	88,000.00	Awarded
Kildala Land Development Co. Ltd.-Kitimat	97,560.00	
Pittman Asphalt Co. Ltd.-Prince George	181,000.00	
Bedrock Exploration Ltd.-Prince George	188,800.00	

Description of Work and Names of Tenderers		Amount of Tenders at Unit Rates Based on Estimated Quantities $	Remarks
GRAVEL CRUSHING - continued			
Contract 0041: Gulf Islands, Saanich Highway District, Saanich and the Islands Electoral District			
Construction Aggregates Ltd.-Vancouver		267,280.00	Awarded
Jack Cewe Ltd.-Coquitlam		345,100.00	
Hub City Paving Ltd.-Nanaimo		371,800.00	Amended Total
MISCELLANEOUS			
Project D-3095 #1: Highway 97, Westbank Couplet, Landscape Development, Okanagan South Electoral District			
M.C. Tower Enterprises Ltd.-Kelowna		76,864.00	Awarded
Grassmick's Excavating Ltd.-Kelowna		120,358.87	
West Wind Nursery Ltd.-Kelowna		127,428.00	
Johnsen Landscaping Ltd.-Burnaby		144,900.41	
Greenleaf Enterprises Ltd.-Kelowna		153,577.42	Amended Total
Dave's Landscaping Ltd.-Vernon		159,245.40	Amended Total
Project E-2925: Electrical Installations: Coquihalla Highway: Box Canyon-Great Bear No. 5: Great Bear Snowshed, Yale-Lillooet Electoral District			
S. & S. Electric Ltd.-Chilliwack		226,328.00	Awarded Amended Total
Goodbrand Construction Ltd.-Aldergrove		243,315.00	Amended Total
Status Electrical Corp.-Abbotsford		244,545.00	Amended Total
H.T.L. Enterprises Ltd.-Cranbrook		271,478.00	Amended Total
Canwel Contractors Ltd.-Abbotsford		288,980.00	
Kerkhoff Construction Group Ltd.-Chilliwack		376,103.47	
Project E-2971: Lighting and Signing Installations: Coquihalla Highway, Great Bear No. 5 to Dry Gulch, Yale-Lillooet Electoral District			
Waddell Electric Ltd.-Aldergrove		139,023.70	Awarded
Emil Anderson Construction Co. Ltd.-Hope		142,737.00	
Western Power Cable Jointing Ltd.-Nanaimo		196,755.50	
Glenelg Construction Ltd.-Sidney		199,741.00	
Project E-3609: Signal, Lighting, Signing and Deck Heating Control Installation, Annacis Highway, Cliveden Interchange, Delta, New Westminster Electoral District			
Western Integrated Electrical Ltd.-Burnaby		139,302.00	Awarded
Ricketts-Sewell Electric Limited-Vancouver		163,325.00	
Goodbrand Construction Ltd.-Aldergrove		171,329.00	Amended Total
Project E-3624: Driver Information Display System: Coquihalla Highway Section, Yale-Lillooet, Kamloops Shuswap-Revelstoke and Delta Electoral Districts			
Ferranti-Packard Electronics Ltd.-		1,285,818.00	Awarded
Missisauga	App. 'E'	1,080,336.00	
Neon Products Ltd.-Division of Jim		1,689,549.12	
Pattison Industries Ltd.-Vancouver	App. 'E'	1,538,375.98	
Daktronics Inc.-Brookings-S.D., U.S.A.		1,975,286.97	
	App. 'E'	1,975,286.97	
32262 B.C. Ltd.-Richmond		2,045,605.00	
	App. 'E'	2,045,605.00	
Rotomatic Display Products Ltd.-Mississauga		2,646,307.00	

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
REGION 1 North Vancouver	B-3281	Pemberton Meadows Road	Ryan Creek Bridge	-	Construct bridge approaches		10%
	B-3282	Garibaldi Highway 99	Various bridges	-	Galvanize bridge fence		100%
	C-2902	Bowen Island Trunk Road	Snug Cove	-	Widen, curb and sidewalk		100%
	C-2094	Garibaldi Highway 99	Green Lake Area	28.0	Widen and revise alignment		50%
	C-3115	Garibaldi Highway 99	Swift Creek	-	Widen, revise alignment		100%
	C-3250	Trans-Canada Highway	Fern Street Interchange	-	Widen, revise alignment		100%
	C-3422	Lions Gate Bridge	North approach	-	Remove toll booth, repave		100%
	C-3443	Garibaldi Highway 99	Squamish - Various sites	-	Patch paving		100%
	C-3444	Pemberton Meadows Road	km 2 to km 5	3.0	Pavement overlay		100%
	C-3674	Garibaldi Highway 99	Alberta Creek		Construct debris dam		100%
	C-3675	Garibaldi Highway 99	Near Loggers Creek		Remove unstable rock		100%
	N-0368	Garibaldi Highway 99	km 18 to km 21 - various sites		Guardrail replacement		100%
	W-2238	Trans-Canada Highway	North Vancouver - various sites		Chain link fencing		100%
Gibsons	N-0369	Sunshine Coast Highway	Madeira Park area	0.2	Install guardrail	July/85	100%
	C-3116	Powell River Arterial	Intersection with Nootka Street	0.5	Reconstruct - install drains, widen and repave	May/85	100%
	C-3117	King (Bartley easement)	Lot 1, Pl. 3417, D.L. 909	0.1	Reconstruct - ditch and install pipe	May/85	100%
	C-0118	Various Roads	Minor betterments	2.0	Reconstruct, ditch, widen, gravel & pave	June/85	100%
	C-3364	King	Chaster Road to Fitchett Road	1.0	Reconstruct - ditch, widen and gravel	Aug/85	100%
	C-3445	Starfish	End of road	0.1	Reconstruct - ditch and install pipe	Aug/85	100%
	C-3446	Roberts	Intersection with Highway 101	0.2	Reconstruct - realign and pave	Sept/85	100%
	C-3447	Pine	km 0.0 to km 0.2	0.2	Reconstruct - ditch, widen and gravel	Oct/85	100%
	C-3448	King	Fitchett to end of road	0.2	Reconstruct - widen and pave	Sept/85	100%
New Westminster	C-3118	Highway 10 (Ladner Livingstone Interchange Highway)	177B to 192nd Street, Surrey	3.0	Reconstruct with channelization at 180th and 184th Street	Aug/85	40%
	C-3123	Highway 15	"O" Avenue to 32nd Avenue, Surrey	6.25	Reconstruct with channelization at major intersections	Apr/85	85%
	C-3392	Highway 1	Cape Horn Interchange eastbound ramp to connect to Mary Hill	0.9	New construction of 2 lane ramp	Nov/85	100%
	C-3449	Highway 7	Sperling Avenue to Lake City Way	2.0	Reconstruct traffic islands Sperling Avenue, Bainbridge Avenue, plus median islands Sperling to Lake City	Oct/85	100%
	C-3536	Highway 99	North and south approaches to George Massey Tunnel	1.5	Reconstruct - grind, pave and repair concrete joints in roadway	Sept/85	100%
	C-3579	Highway 99	George Massey Tunnel	1.0	Reconstruct construction joints in ceiling of tunnel	Oct/85	100%
	C-3631	Highway 1	Eastbound lane 152nd Street to 160th Street	0.8	Reconstruct road base	Mar/86	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
New Westminster (cont'd)	C-3637	Highway 1A/99A	King George Highway at 28th Street	0.6	Reconstruct and widen highway for new channelization and access to Park and Ride terminal	Dec/85	35%
	C-3676	Highway 7A	Barnet Highway west of Gore	0.1	Reconstruct washed out roadway	Nov/85	100%
Chilliwack	C-3119	Highway 3	Copper Creek Hill	1.02	Reconstruct: realign and add 3rd lane	Aug/85	100%
	C-2499	Chilliwack Lake Road	Miscellaneous sections	2.4	Resurface	July/85	100%
	C-2490	Stave Lake and Farms Road	Miscellaneous sections	2.2	New construction and resurface	Aug/85	100%
	C-3697	Frontage Roads adjacent Hwy. 1	North and south parallel roads Atkinson to No. 4 Roads	3.4	New construction	Jan/86	60%
	C-3122	Ferry Road	Highway 1 to Cog Harrington Bridge	1.02	Reconstruct, new diversion, widen and grade revision	Sept/85	70%
	C-3122A	Ferry Road	South slop of Fraser River	0.35	Riprap construction	Jan/86	100%
	C-3435	Nicomen Island Trunk, Stirling and Johnston Roads	Miscellaneous sections	3.9	Resurface	Sept/85	100%
	C-2114	Morris Valley Road	Chehalis Bridge area	1.6	Reconstruct: pave and resurface	Oct/85	100%
	C-3129	Chaumox Road	North Bend easterly	14.0	Reconnaissance Survey, reconstruct: widen, realign	July/85	70%
	C-3251	Highway 1	American Creek - Yale	16.0	Ditch	Apr/85	100%
	C-0156	Hemlock Valley Road	H.V. Road "Mile 5-9" miscellaneous subdivisions	10.0	Reconstruct: widen & realign	Apr/85	100%
	C-3439	Highway 7	Ruby Creek Bluffs		Scaling, improve catchment area	Oct/85	100%
	B-3286	Canyon Road	Frost Creek #2 Bridge		Reconstruct with box beams	Aug/85	100%
	B-2716	Silver Skagit Road	Silver Skagit #2 Bridge		Construct east abutment	Feb/86	100%
REGION 2 Kamloops	C-0123	Kamloops District	Miscellaneous minor betterments	1.6	Road bed construction	Apr/85	100%
				4.3	Widen road		
				13.5	Sealcoat		
				1.9	Fence repair or replace		
				0.3	Guardrail installed, also 1120 tonnes of machine paving, 22,000 m^3 of gravelling and 1 cattleguard installed		
	C-0814	Agate Bay Road	km 10.5 to km 17.5	7.0	Reconstruct and realign	July/85	40%
	C-2193	Barnhartvale Road	km 6.4 to km 6.8	0.4	Widen road and pave	June/85	100%
	C-2514	Clearwater Valley Road	km 25.3 to km 35.0	9.7	Clear & grub, reconstruct, realign and pave 2.0 km	May/85	25%
	C-2905	Prince-Kamloops Highway	Segment 1720, km 89.1 to 92.0	2.9	Reconstruct, widen for four lanes	Apr/85	100%
	C-3366	Lac Le Jeune Road	km 13.4 at Stake Lake		Construct parking lot	Sept/85	100%
	C-3385	Vernon-Kamloops Highway	Segment 1125, km 77.8 to 79.8	2.0	Widen existing three lane section	May/85	100%
	C-3431	Lac La Jeune Area		25.0	New construction of ski trails	June/85	100%
	C-3451	Dunn Lake Road	km 1.4 to 6.3	4.9	Widen and reconstruct	Sept/85	50%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Kamloops (cont'd)	C-3452	Pinantan Lake Subdivision	Various roads	7.6	Gravel treatment	Aug/85	100%
	C-3453	Heffley Lake	Various roads	4.2	Gravel treatment	Sept/85	100%
	C-3599	Yellowhead South Highway	Segment 1740, km 73.2 to 73.6	0.4	Widen road and restore original grade	July/85	100%
	N-0373	Various Roads		0.8	Guardrail installation of 332 pieces	Oct/85	100%
	W-0344	Various Schedule 2 Highways		38.1	Repair and replace range fence and install 5 cattleguards	Apr/85	100%
Salmon Arm	C-2196	Cedar Drive	Intersection with Trans-Canada Highway - Sub #0935 - km 53.48		Reconstruct intersection - widen, realign, grade revision	May/85	100%
	C-2204	Chase-Falkland	km 32.0 to 30.0 - end of Pillar Lake to Forestry Cabin Bridge	2.0	Reconstruct - widen	May/85	100%
	C-2206	Samuelson Road	Intersection with Solsqua - Sicamous to end of road	1.6	Reconstruct - widen	Sept/85	100%
	C-2208	Various Roads		31.0	Gradall ditching	Apr/85	100%
				91.0	Brush	Apr/85	100%
	C-3124	Grindrod-Salmon Arm Highway	Intersection with Auto Road, Segment 1123, km 9.48		Machine pave - reconstruct intersection		100%
		White Lake Road	Approaches to Rivers Bridge, km 7.17		Machine pave - realign bridge approach		100%
			Hautaula Multiplate, km 10.0		Machine pave - bridge replacement		100%
		Pachendale Road	Intersection with Trans-Canada		Machine pave - reconstruct intersection		100%
	C-3125	Sorrento-Eagle Bay Road	Segment 0935, km 48.44 of Trans-Canada Highway to Balmoral	7.95	Single lift of sealcoat	July/85	100%
		Balmoral Road		3.0	Single lift of sealcoat	July/85	100%
		Swansea Road		0.57	Single lift of sealcoat	June/85	100%
		Boutwell Road		0.21	Double lift of sealcoat	June/85	100%
		Stadnicki Road		0.3	Double lift of sealcoat	June/85	100%
		Monashee Frontage Road		0.13	Double lift of sealcoat	June/85	100%
		Gillis Frontage Road		0.22	Double lift of sealcoat	June/85	100%
		Mervyn Road		0.20	Double lift of sealcoat	June/85	100%
		Two Mile Road		0.93	Double lift of sealcoat	June/85	100%
		Graham Road		0.21	Double lift of sealcoat	June/85	100%
		Sicamous Creek Frontage Road		0.2	Double lift of sealcoat	June/85	100%
		Clancy Frontage Road		0.36	Double lift of sealcoat	June/85	100%
		Hummingbird Frontage Road		0.16	Double lift of sealcoat	June/85	100%
		Worden Road		0.35	Double lift of sealcoat	June/85	100%
		Swanbeach Road		0.34	Double lift of sealcoat	June/85	100%
		Larch Avenue		0.23	Double lift of sealcoat	June/85	100%
	C-3455	Chase-Falkland Road	km 7.72 to 10.92	3.2	Hotmix pave	Sept/85	100%
	C-3456	Hoath Road		1.8	Reconstruct, widen, realign	Aug/85	100%
		Yankee Flats Road	Various sections	5.0	Brush		100%
		Paxton Valley Road	Various sections		Regravel		100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Salmon Arm (cont'd)	C-3457	Ashe Road		0.45	Hot mix pave	Sept/85	100%
		Ashe Crescent		0.7	Hot mix pave		100%
	C-3467	Hallfish Road	Entire public portion	0.34	Rebuild to modify vertical alignment	Aug/85	100%
	C-3468	Hilltop Road	Section 0935, km 52.3 of Trans-Canada Highway to Huben Road	2.0	Reconstruct, realign	Oct/85	100%
	C-3469	Martin Prairie Road	km 3.1 to 3.8	0.7	New construction	Aug/85	100%
	N-0374	Trans-Canada Highway	Section 0950, km 17.32 to 25.51 of Trans-Canada Highway	637 m	Concrete guardrail installation	Oct/85	100%
			Section 0935, km 36.55 and 41.76 of Trans Canada Highway	245 m			
	W-0345	Trans-Canada Highway	Various locations	9.36			
		Kamloops-Vernon Highway 97		2.04	Schedule 2 Fencing	Sept/85	100%
		Kamloops-Vernon Highway 97	Segment 1125, km 22.5 and 41.0		Cattle underpass installation	Oct/85	100%
Vernon	C-0466	Lumby Mabel Lake Road	km 26.48 to 33.48	7.0	Gravel and flushcoat	Oct/85	100%
	C-0468	Grandview Bench Road	km 4.35 to 7.35	3.0	Gravel and flushcoat	Oct/85	100%
	C-1631	Enderby Mabel Lake Road	km 18.2 to 22.4	4.2	Reconstruct and pave	June/85	100%
	C-2130	North Fork Road	km 5.71 to 6.8	1.1	Reconstruct and gravel	Sept/85	100%
	C-3126	Hartnell Road	km 0.47 to 1.37	0.90	Reconstruct and gravel	June/85	100%
	C-3127	Vernon-Slocan Highway 6	Heckman Creek Slide	0.70	Realign and gravel	June/85	100%
	C-3470	Bella Vista Road	Various sections	2.0	Realign and pave	June/85	100%
	C-3471	Silver Star Road	km 16.74 to 17.93	1.19	Regravel and pave	June/85	100%
	C-3472	Okanagan Landing Road	km 1.05 to 2.82	1.77	Shoulder widen and flushcoat	June/85	100%
	C-3473	Lakeshore Road	km 0.0 to 1.0	1.0	Shoulder widen and flushcoat	June/85	100%
	C-3474	Tronson Road	Various sections	1.0	Recap - hot mix	July/85	100%
	C-3490	Edgar Road	km 0.0 to 1.5	1.5	Reconstruct and gravel	Oct/85	100%
	C-3475	Vernon-Slocan Highway	Heckman Creek Slide	0.7	Pave	Sept/85	100%
	C-3491	Rawlings Lake Road	km 0.0 to 1.0	1.0	Realign, reconstruct and gravel	Sept/85	100%
	C-3492	Creighton Valley Road	Various sections	2.0	Regravel	Sept/85	100%
	C-4302	Lumby Bridge			Reconstruct	May/85	100%
	W-0346	Highways 6 and 97	Various sections		Schedule 2 Fencing	June/85	100%
	N-0375	Highway 97A	Various sections	0.6	Guardrail installation	Mar/86	100%
	C-0125A	Vernon	Various roads		Regravel	June/85	100%
	C-0125B	Enderby	Various roads		Regravel	June/85	100%
	C-0125C	Lumby	Various roads		Regravel and pave	June/85	100%
	C-0125D	Cherryville	Various roads		Regravel and regravel	June/85	100%
	C-0125H	Highway 97	Access lanes to tourist booth		Construction and pavement	Mar/86	100%
	C-0125L	Vernon Maintenance Yard			Installation of yard light	Aug/85	100%
Penticton	C-0472	Princeton	Miscellaneous Roads	6.0	Realign, pave, upgrade	June/85	100%
	C-0473	Keremeos	Miscellaneous Roads	3.0	Realign, pave, upgrade	June/85	100%
	C-0821	Pent	Miscellaneous Roads	4.0	Reconstruct	July/86	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Penticton (cont'd)	C-2892	Camp McKinney Road		3.0	Gravel	1985	70%
	C-3128	Oliver-Osoyoos	Miscellaneous Roads	4.0	Reconstruct, pave	1985	100%
	C-3460	McLean Creek Road	km 5.0 - 7.0	2.0	Reconstruct	1983	80%
	C-3461	North Naramata Road	km 7.4 - 9.0	1.6	Reconstruct	1985	70%
	C-3463	Old Hedley Road	km 15.7 - 17.2	2.5	Reconstruct	1982	60%
	C-3464	Vermillion/Princeton Intersect.		1.0	Reconstruct	1985	35%
	C-3613	Apex Road	km 8.0 - 14.0	6.0	Reconstruct	1985	85%
Merritt	C-0127A	Coldwater Road		6.1	Improve site distances	Apr/85	100%
	C-0127B	Mamit Lake Road	Various sections		Logan Lake patching	May/85	100%
	C-0127C	Botanie Creek Road	km 1.5 to 2.5	1.0	Planings and sealcoat	Sept/85	100%
	C-0127E	Princeton-Kamloops Highway	km 57.14 and Old Kamloops Road	0.3	Reconstruct intersection and grade	Aug/85	100%
	C-0127F	Godey Creek Pit Road	Various sections		Base preparation for paving	July/85	100%
	C-0127G	Coalmont Road	Various sections		Coalmont patching	June/85	100%
	C-0127I	Mamit Lake Road	km 23.5 - 24.5	1.0	Reconstruct	Aug/85	100%
	C-2558	Douglas Lake Road	km 22.22 - 25.05	2.83	Road relocation and reconstruct	Oct/85	100%
	C-2823	Princeton-Kamloops Highway	km 27.5 - 27.9	0.4	Widen shoulder along Nicola Lake	May/85	100%
	C-2824	Princeton-Kamloops Highway	km 16.0 - 18.0	2.0	Road relocation and reconstruct	Apr/85	100%
	C-3344	Meadow Creek Road	km 6.94, km 19.3 and km 12.0		Installation of 3 cattle underpasses	Oct/85	100%
	C-3413	Princeton-Kamloops Highway	km 2.95		Reconstruct intersection to I.R.	Aug/85	100%
	C-3414	Princeton-Kamloops Highway	Various locations		Construct school bus pull-out	Aug/85	100%
	C-3415	Godey Creek Pit Road	km 0.0 - 0.8	0.8	Road reconstruct	May/85	100%
	C-3450	Douglas Lake Road	km 1.91 - 2.91	1.0	Road relocation, pave and reconstruct	Sept/85	100%
	C-3465	Mamit Lake Road	km 23.5 - 24.5	1.0	Repave	Aug/85	100%
	C-3534	Monck Park	km 0.94		Install cattle underpass	Apr/85	100%
	C-3534	Princeton-Kamloops Highway	km 5.0 and km 8.0		Construct detours & installation of 2 cattle underpasses	Mar/86	100%
	C-3689A)		km 52.0 - 64.0	12.0)	Road reconstruct and	)	
	C-3689B)	Loon Lake Road, Phase III	km 64.0 - 76.0	12.0)	construction of accesses	) Feb/	66%
	C-3689C)	Coquihalla Highway	km 76.0 - 86.0	10.0)	to Phase III alignment	) 86	
	C-3689D)		km 86.0 - 91.0	5.0)		)	
	C-3696	Rest Area - Coldwater I/C	± km 85		New construction of road and rest area	Mar/86	75%
	N-0378	Princeton-Kamloops Highway	Various sections		Placement of guardrail	May/85	100%
	W-0349	Princeton-Kamloops Highway	Various sections		Schedule 2 Fencing	May/85	
		Highland Valley Road	Various sections		Schedule 2 Fencing	Aug/85	100%
Lillooet	C-2911	Highland Valley Road	Bernard Creek - Summit	5.0	Reconstruct, realign	Nov/84	100%
			Barnes Lake Corner	2.0	Reconstruct, realign	Mar/85	100%
	C-3466	Highway 12	Sumner Road intersection	1.0	Realign	Aug/85	80%
	C-0270	Gun Lake Perimeter Road	From DL 5634 to DL 1331	3.5	New alignment, reconstruct	Sept/85	10%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
100 Mile House	C-2224	Timothy Lake	km 7.2 - 10.10	2.9	Reconstruct, roadbed widen, ditch and gravel	June/85	100%
	C-2225	Jesmond Road	km 7.9 - 11.4	3.5	Reconstruct, right-of-way clearing, road bed widen, ditch and install culvert, gravel	Aug/85	100%
	C-2226	108 Mile Ranch Subdivision Area Roads (Easzee and Telqua Drives)	Various locations	2.75	Reconstruct, revise grade and realign Strengthen base, gravel and ditch prior to hot mix paving	Aug/85	100%
	C-2321	Tatton Station	km 5.0 - 7.0	2.0	Reconstruct, roadbed construction, install culvert and gravel	May/85	100%
	C-3130	Mercer Subdivision Area Roads (Mercer Road, Reita Crescent and Grey Crescent)	Various locations	1.4	Reconstruct, revise grade, widen roadbed and gravel	July/85	100%
	C-3131	Empire Valley	Various locations	2.5	Reconstruct, realign, widen and gravel	June/85	100%
		Meadow Lake	km 92.0 - 94.8	2.8	Widen and gravel	Oct/85	100%
		Gang Ranch Reservoir	km 0.0 - 12.85	12.85	Reconstruct, widen roadbed, ditch, install culvert and gravel	July/85	85%
	C-3132	Cariboo Highway	83 to 94 Mile (Sta. 995+00 to Sta. 24+40)	2.44	New construction, reconstruct and realign existing highway, widen to four lane standard; gravel and lay asphalt base course	May/85	30%
	C-4176	Highway 24	km 48.0 - 62.0	3.2	Gravel, ditch, construct access and construct deceleration lane	June/85	100%
	W-0351	Highways 97 and 24	km 66.5 - 75.0 km 40.0 - 47.0	8.5 7.0	Schedule 2 Fencing and cattle underpass installation at km 109.1 of Highway 97	Aug/85	100%
Kelowna	C-1471	Bottom Wood Lake Road	Woodsdale to Beaverlake Road	3.2	Complete reconstruct, gravel, pave and fence	Aug/85	100%
	C-1472	Glenrosa Road	Webber and Fenton Roads	1.9	Complete reconstruct, gravel, pave and fence	July/85	100%
	C-2566	Kelowna	KLO Road	1.2	Shoulder strengthen and pave	May/85	100%
			Union Road at Valley Road	1.0	Reconstruct, gravel and pave		
	C-3133	Highway 97 at Buchanan	At intersection left & right turn slots	0.6	Construction, gravel and pave	Sept/85	100%
	C-3136	Highway 97 at Prairie Valley	At intersection left & right turn slots	0.6	Construction, gravel and pave	May/85	100%
	C-3137	KLO Road - Kelowna	Mission Creek to Hill curve	1.1	New construction, gravel and pave	June/85	100%
	C-3138	Clifton Road - Kelowna	From Caramilo Road to north of Rio Drive	1.8	Complete reconstruct	Mar/85	30%
	C-3139	Benvoulin at KLO Road	At intersection left and right turn slots	0.6	Reconstruct, gravel and pave. Fence	July/85	100%
	C-3140	Highway 97, Summerland Hill	Various locations	1.0	Pavement overlay	May/85	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Kelowna (cont'd)	C-3458	Fish Lake Road - Summerland	Various locations	0.8	Reconstruct and gravel	Sept/85	50%
	W-0347	Highway 97			Fencing Schedule 2		
	N-0376	Highways 97 and 33	Various locations	0.5	Guardrail installation	Oct/85	100%
	C-3533	Coquihalla-Merritt-Peachland Station	Highway 97 to Brenda Mines	34.5	Tote Road construction	Oct/85	75%
	C-0130		Minor betterments	32.0	Sealcoat	July/85	100%
REGION 3							
Nelson	C-1866	Highway 3A	km 12.1 - 14.2	2.1	Reconstruct, widen, realign and revise grade	May/85	20%
	C-1866	Highway 3A	km 23.1 - 24.1	1.0	Reconstruct, widen, realign and revise grade	Aug/85	15%
	C-1866	Highway 3A	km 28.1 - 28.9	0.8	Reconstruct, new diversion	Aug/85	75%
	C-1867	Blewett Road	km 9.9 - 10.0	0.1	Reconstruct, widen and revise grade	May/85	100%
	C-1867	Knox Road	km 0.0 - 0.5	0.5	Reconstruct, widen and revise grade	June/85	70%
	C-1868	Slocan River Road	km 6.6 - 7.0	0.4	Reconstruct, widen and revise grade	May/85	100%
	C-1869	Erie Ross Spur Road	km 3.8 - 3.9	0.1	Reconstruct, widen and revise grade	July/85	100%
	C-1870	Nelson	Various locations		Sealcoat	July/85	100%
	C-3566		Falls Creek culvert		Repair culvert	Sept/85	75%
	N-0381	Highways 3A and 6	Various locations	0.9	Guardrail program	Oct/85	100%
Rossland	B-3263	Hudu Creek Road	Fruitvale Foreman Area	19 m	Replace remaining part of bridge with concrete structure	Aug/85	100%
	C-3142	Rivervale Subdivision	Miscellaneous Roads	4.3	Repave old road mix pavements	July/85	100%
	C-3144	Highway 22A	Fruitvale Foreman Area	11.0	Gravel shoulders and reditch	Sept/85	100%
	C-3480	Highway 131	Rossland Foreman Area	5.5	Regravel existing road	Feb/86	100%
	C-3478	Highway 3B	Rossland Foreman Area	20.0	Machine brush	June/85	100%
	C-3729	Highways 22and 3A	Castlegar Foreman Area	0.3	Construct two intersections with deceleration lanes	Feb/86	75%
	N-0382	Highway 3B	Rossland Foreman Area	0.6	Install guardrail on curves	Aug/85	100%
Grand Forks	C-0018	North Fork Road	km 2.97 - 6.67	3.7	Reconstruct, widen, gravel and repave	May/85	100%
	C-0133	District Roads	Various locations	18.4	Reconstruct, includes brush, relocation, widen, ditch and gravel	Apr/85	100%
	C-1888	Christian Valley Road	km 32.0 - 33.1	1.1	Reconstruct, widen, ditch and gravel	Apr/85	100%
	C-3145	Mount Baldy Road	km 1.0 - 2.0	1.0	Reconstruct, widen, ditch and gravel	May/85	100%
	C-3146	Grand Forks, Rock Creek and Greenwood	Various locations	13.18	Reconstruct, graded sealcoat	July/85	100%
	C-3147	Highway 3	km 33.3 - 34.1	0.8	Reconstruct, widen, gravel and pave	May/85	100%
	C-3148	Highway 33	km 42.3 - 48.3	6.0	Reconstruct, shoulder	May/85	100%
	C-3481	Highway 3	km 98.7 - 102.2	3.5	Reconstruct, hot mix pave	Sept/85	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Grand Forks (cont'd)	N-0383	Highway 33	Various locations	0.49	Shoulder preparation and install guardrail	June/85	100%
	W-0352	Highways 3 and 33	Various locations	27.5	Construction, reconstruct and repair right-of-way fence	Aug/85	100%
New Denver	N-0384	Throughout District			Guardrail installation	Aug/85	100%
	C-3149	Highway 31	Lost Ledge	0.5	Realign	Apr/85	90%
	C-3150	Highway 6	Hills - Summit Lake	1.8	Realign	June/85	70%
	C-3635	Highway 6	Davis Creek Bridge Approach	0.125	Realign	Feb/86	100%
Cranbrook	C-1899	Throughout District	Various Roads	29.0	Flushcoat & sealcoat subdivision roads	July/85	100%
	C-3560	Monroe Lake Road	km 0.7 - 3.3	2.6	Machine patch	Aug/85	100%
		Silver Spring Drive	Various	1.0	Paving	Aug/85	100%
Golden	C-3476	Alpine Road	3 km southeast of Windermere	1.0	Construct and gravel	July/85	100%
	C-3256	Blaeberry River Road	14.5 km west of Golden	0.2	Reconstruct, realign and revise grade	Apr/85	100%
	C-3483	Highway 93	Radium Hot Springs	0.1	Binwall	Oct/85	100%
	C-1919	Hartley Road	10 km west of Golden	2.7	G.A.S. pave	May/85	100%
	C-3158	Highway 95	Brisco - Radium Hot Springs	28.0	Ditch	June/85	100%
	C-3482	Trans-Canada Highway	km 34.0 - 35.0 (23 km west of Golden)	1.0	Pave	Sept/85	100%
	C-3487	Trans-Canada Highway	Redgrave East, km 21.26	0.1	Pave	Oct/85	100%
	C-3518	Trans-Canada Highway	km 9.0 (east of Golden)	0.3	Impact rail	Sept/85	100%
Revelstoke	C-1925	Highway 31	km 26.0 - 27.0	1.0	Reconstruct		75%
	B-3267	Greely Road	Illecillewaet Bridge at Greely	0.1	Reconstruct south approach span, approach fill and riprap		100%
	N-0388	Trans-Canada Highway	East and west of Revelstoke	1.28	Install 690 mm guardrail		100%
	C-1927	Highway 23	Begbie Pit south	15.0	Shoulder		100%
Creston	W-0794	Highway 3 and 3A		2.0	Schedule 2 Fencing	Sept/85	100%
	C-1930	Jones Road	km 0.0 - 0.67	0.67	Reconstruct, relocate waterline, retaining wall, gravel	July/85	100%
	C-1930	Clayton Road	km 0.0 - 0.23	0.23	Reconstruct, widen, crush gravel and dust palliative	July/85	100%
	C-1930	Arrowcreek West	km 5.58 - 6.43	0.85	Construction on improved alignment drainage improvement, gravel and surface treatment	Apr/85	100%
	C-1930	Area "A" Roads		4.0	Pit run and 3/4" crushed gravel	June/85	100%
	N-0389	Highway 3A	Various locations	0.63	Place 27" guardrail	Oct/85	100%
	C-3161	District Minor Roads	Various locations	13.82	Graded seal	Aug/85	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Creston (cont'd)	C-1931	Area "B" Roads	Highway 3A, km 2.15 - 2.25 Pilot Bay, km 3.16 - 4.16 Juniper, km 0.0 - 0.63	1.73	Clear and grub, grade reshape gravel, ditch construction	July/85	100%
	C-3162	Highway 3	West of Kootenay Pass, km 28.2 - 28.4	0.2	Construct third lane, gravel, sand-seal, also widen	July/85	100%
REGION 4 Prince George	C-1987	Chief Lake Road-Ness Lake Road	at Ness Lake	1.0	Reconstruct, diversion		30%
	C-1988	Hutton Road	Longworth Access Road	14.4	New construction		15%
	C-1993	Mackenzie Arterial	Mackenzie townsite north		Gravel (19 mm crush)		100%
	C-2004	Upper Mud River Road	School Bus Route	6.0	Reconstruct, diversion		40%
	C-2007	Norman Lake Road	Bednesti Lake to Norman Lake	0.5	Ditch, gravel		100%
	C-3166	Highway 16 East	Bowron Road - Crescent Spur	94.0	Drainage improvements		40%
	C-3166A	Highway 16 East	Dome Creek Hill	1.0	Realign		75%
	C-3167	Upper Fraser Road	16E - Willow River		Drainage improvements		40%
	C-3168	Gravel Pits	Rehabilitation				
	C-3493	John Hart Highway 97	Salmon Valley Overpass	1.5	New diversion		40%
	C-3532	John Hart Highway 97	Bear Lake - Red Rocky Creek		Reconstruct		20%
	C-4180	Upper Fraser Road	Upper Fraser - Hansard	8.0	Place reject crush gravel		100%
	C-3610	Highway 16 East	Bowron Road - Crescent Spur	94.0	Drainage improvements		40%
	C-3615	Fraser Bridge Approach	New Fraser River Crossing	0.5	New construction		60%
	C-4181	School Bus Routes		20.0	Ditch and surface		75%
	W-0356	Yellowhead, Cariboo, John Hart		10.0	Schedule 2 Fencing		100%
	N-0429	Yellowhead, Cariboo, John Hart		1.4	Guardrail installation		95%
Quesnel	C-0141A	Cariboo Highway North	Bellows Rock Cut	0.5	Rock blasting to widen cut	July/85	100%
	C-0141B	Cariboo Highway North	South Cottonwood Bridge Approach	0.4	Realign and reconstruct	June/85	100%
	C-0141D	Cariboo Highway North	McLean Road Intersection	0.6	Construct left turn channelization	July/85	100%
	C-0141F	Cariboo Highway North	North Star Interchange	25 ha	Landscape	July/85	100%
	C-0141I	Garner Road	Ernst Road to Garner Road	1.3	Construct new connector	July/85	100%
	C-0141M	Lagerquist Road	Cariboo Highway 97 to km 0.9	0.9	Cold mix pave	July/85	100%
	C-0141N	Coulthard and Jacobson Roads	Mackin Creek and Hamilton Creek	0.4	Bridge approach construction	Aug/85	100%
	C-0141O	Soda Creek Macalister Road	Soda Creek Indian Reserve	0.5	Slide repair	June/85	100%
	C-0141S	Swanson Road	Hixon Creek	0.3	Place riprap	Sept/85	100%
		McGowan Road	Marsh Road to km 0.16	0.16	Reconstruct	June/85	100%
		McIntyre Road	Ross Road to km 0.93	0.93	Reconstruct	June/85	100%
		Sales Road West	Cariboo Highway South	0.2	Intersection reconstruct	July/85	100%
	101B	Agate Road	Cariboo Highway South to km 0.3	0.15	Asphalt recap	Sept/85	100%
	101B	Britton Road	Coach Road to Enemark Road	0.64	Asphalt recap	Sept/85	100%
	101B	Coach Road	Quesnel Hydraulic Rd to Gavin Rd	0.06	Asphalt recap	Sept/85	100%
	101B	Edwards Road	Cariboo Highway South	0.1	Asphalt recap	Sept/85	100%
		Callis Road	Barkerville Highway to km 0.4	0.4	Coldmix pave	June/85	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Quesnel (cont'd)		Fanslau	Barkerville Highway to km 0.32	0.32	Coldmix pave	June/85	100%
		Pollard Road	Cariboo Highway North to km 1.1	0.5	Coldmix pave	June/85	100%
	S-2820	Ahbau Creek Road	Olson Road to km 1.7	1.7	Pave with recycled asphalt	Sept/85	100%
	S-2820	Cinema Road	Cariboo Highway North to km 0.4	0.4	Pave with recycled asphalt	Sept/85	100%
	S-2820	O'Conner Road	Cariboo Highway North to km 0.2	0.2	Pave with recycled asphalt	Sept/85	100%
	S-2820	Christys Road	Mathews Road to Rockwood Road	0.5	Pave with recycled asphalt	Sept/85	100%
	S-2820	Gorder Road	Paradise Road to Paradise Road	0.5	Pave with recycled asphalt	Sept/85	100%
	S-2820	Grice Road	Quesnel Canyon Road to km 0.13	0.13	Pave with recycled asphalt	Sept/85	100%
	S-2820	Kiwi Road	Scott Road to km 0.2	0.2	Pave with recycled asphalt	Sept/85	100%
	S-2820	Matthews Road Road	McLean Road to km 2.6	2.6	Pave with recycled asphalt	Sept/85	100%
	S-2820	Omega Road	McLean Road to km 0.25	0.25	Pave with recycled asphalt	Sept/85	100%
	S-2820	Quesnel Canyon Road	Barkerville Highway to km 2.6	2.6	Pave with recycled asphalt	Sept/85	100%
	S-2820	Scott Road	Quesnel Hixon Road to Kiwi Road	0.63	Pave with recycled asphalt	Sept/85	100%
	S-2820	Cariboo Highway North	Barkerville Junction to Plett Road	46.1	Grind and pave	July/85	75%
	S-3425	Quesnel Blackwater Road	Golfcourse to Hay Hill Road	20.5	Pave	Sept/85	30%
	S-3423	Nazko Road	Tibbles Road to Krestenuk Road	64.5	Pave	Nov/85	15%
	S-2820	Elgin Road	McLean Road to Schemenauer Road	0.26	Pave with recycled asphalt	Sept/85	100%
	S-2820	Byford Road	Rockwood Road to km 0.09	0.09	Pave with recycled asphalt	Sept/85	100%
	S-2820	Goldman Road	Barkerville Highway to km 0.4	0.4	Pave with recycled asphalt	Sept/85	100%
	C-2008	Cariboo Highway South	Northstar Interchange	1.1	Widen, realign, pave	Aug/85	100%
	C-2011	Nazko Road	Tibbles Road to Krestenuk Road	61.0	Gravel, pavement preparation	June/85	68%
	C-2403	Tibbles Road	Nazko Road to km 7.2	7.2	Reconstruct, gravel, pavement prep.	June/85	80%
	C-3169	Nazko Road	km 92.9 - 95.1	2.2	Realign, reconstruct, pavement prep.	June/85	95%
	C-3170	Quesnel Blackwater Road	Yargeau Road to Pinnacles Road	5.0	Realign, reconstruct	June/85	95%
	C-3171	Paradise Road Intersection	Quesnel Blackwater Road to km 1.6	1.6	Realign, reconstruct	June/85	95%
	C-3172	Patchett Road Intersection	Quesnel Blackwater Road to km 1.1	0.3	Realign, reconstruct	June/85	95%
	C-3173	Bertkow Road	Quesnel Blackwater Road to Quesnel Blackwater Road	1.4	Realign, reconstruct	June/85	95%
	C-3174	Bowron Lake Road	Pleasant Valley Road to 2300 Road	6.0	Base strengthen and ditch	Aug/85	100%
	C-3175	Hill Road	Cariboo Highway 97 to Hill Road	1.0	Realign and reconstruct	Aug/85	100%
	C-3387	Quesnel Canyon Road	Barkerville Highway to km 2.6	2.6	Reconstruct, gravel and pavement prep.	July/85	100%
	C-3498	Ten Mile Lake Road	Rogers Resort Hill	0.5	Reconstruct	Sept/85	100%
	C-3511	Quesnel Blackwater Road	Golf Course to Garbage dump	0.6	Realign and reconstruct	Aug/85	100%
	N-0430	Cariboo and Barkerville Hwys.	Various locations	0.86	No post guardrail installation	July/85	100%
	W-0357B	Cariboo Highway South	Loloff Road to Hold Road	5.2	Schedule 2 Fencing	Aug/85	100%
	W-0357H	Cariboo Highway North	Ahbau Creek to Stoner	11.9	Schedule 2 Fencing	June/85	100%
	W-0357N	Nazko Road	Various sections	6.8	Right-of-way fencing	Aug/85	100%
	W-0357A	Cariboo Highway North	Umiti Pit Road to Moe's Meadow	8.7	Log right-of-way fencing	July/85	100%
	W-0357L	Cariboo Highway North	Vicinity of Kolling Road	90 m	Cattle underpass	Sept/85	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Dawson Creek		Kelly Lake Road	Highway 52	3.0	Regravel, crush		
		Road 230	Gagne	4.5	Rebuild, shale		
		Road 221	Sweetwater	4.8	Construct, shale, crush		
		Old Hart	East of School & Jct. of Old Hart		Construct, pit-run, screen, crush	July/85	
		Highway 97 South		10.0	Widen shoulder, pit-run		
		Highway 97 North	East Pine	2.4	Regravel, crush		
		Road 12F		3.0	Base preparation for pavement, pit-run		
		Road 12A		4.0	Regravel, crush		
		Highway 8		3.2	Chipseal		
		Highway 3		3.4	Chipseal		
		Rolla Internal Road Network		2.8	Chipseal		
		208 Gravel		1.2	Chipseal		
		215 Gravel		0.8	Chipseal		
		Highway 52	Flatbed #2 - Dennison Mine turn	20.0	Regravel, crush		
		Highway 52	Stoney Pit West	3.0	Regravel, crush		
		Highway 52	One Island Lake Road-Borden Creek	34.0	Regravel, crush		
		Krantz Road		4.0	Spot gravel		
		Hansen Road	Highway 52	2.5	Regravel, crush		
		Stradelinsky	Highway 52	1.5	Regravel, crush		
		One Island Lake Road	Kiskatinaw Bridge	6.0	Regravel, crush		
		Weaver Road		1.0	Spot gravel		
		Road 31		1.0	Regravel, pit-run		
		Road 30		1.0	Regravel, pit-run		
		Sub 348		1.0	Regravel, pit-run		
		Road 29 North		0.3	Regravel, pit-run, widen shoulders		
		Road 97 South		1.0	Regravel, crush, base construction		
		Road 83		2.0	Rebuilt road, crush		
		Road 83		2.0	Regravel, pit-run		
		Road 12F		4.0	Regravel, crush, rebuilt		
		Road 218	Sweetwaters - Area C	6.0	Regravel, crush		
		Road 220B	Coleman Crees	5.0	Regravel, crush		
		Road 218	mile 4.0 - 7.0	4.8	Regravel, crush		
		Road 222		1.9	Regravel, crush		
		Road 218			Regravel, crush		
		Road 237 Semple		4.0	Regravel, pit-run		
		Road 241		4.0	Regravel, pit-run		
		Road 229	km 0.0 - 0.8	0.8	Regravel, pit-run		
		Road 212		7.0	Regravel, pit-run		
		Road 214	7 Mile corner south	2.5	Regravel, pit-run		
		Road 214	7 Mile corner south	2.4	Regravel, pit-run		
		Road 229	Hart - McConner	0.8	Regravel, pit-run		
		Road 218		2.4	Regravel, crush		

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Dawson Creek (cont'd)		Road 235	Alaska Highway	3.2	Regravel, crush		
		Road 12A		2.5	Regravel, pit-run		
		Road 28	Lone Prairie Hill	3.0	Regravel, pit-run and crush		
		Road 27		2.0	Regravel, pit-run		
		Road 27A		1.0	Regravel, pit-run		
		Road 224		5.3	Regravel, crush		
		Road 220, Road 237		5.7	Regravel, crush		
		Road 221, Road 230		1.3	Regravel, crush		
		Road 243		1.0	Regravel, crush		
		Mile 8 Road 214		14.0	Regravel, crush		
		Road 233		0.6	Regravel, crush		
		Road 243		1.0	Regravel, crush		
		Road 220		1.0	Regravel, crush		
		Road 221	km 3.5 - 8.3	4.8	Regravel, crush		
		Road 237 Mason		2.0	Regravel, crush		
		Road 251	Youngs to Nelson	15.8	Regravel, crush		
		Road 251	Henshell	3.0	Regravel, crush		
		Gibbon Road	East to Spiers	1.3	Regravel, crush		
		Road 247		1.9	Regravel, crush		
		Road 53	Bill Franks - Brassy Creek	2.8	Regravel, crush		
		Road 197	School Grade	2.4	Regravel, crush		
		Road 13	Upper Cutbank Road	5.1	Regravel, crush		
		Road 202A	Fulertons - Westend	1.7	Regravel, crush		
		Road 247	Mekibbon	1.0	Regravel, crush		
		Road 204	Cliff Wilson	0.3	Regravel, crush		
		Road 206	Jeff Wedell	1.4	Regravel, crush		
		Road 259	Leo Hauber	0.8	Regravel, crush		
		Colmans Corner East		0.7	Regravel, crush		
		Sunset Road	First pole west of Charly Wills	4.3	Regravel, crush		
		Road 259		7.0	Regravel, crush		
		Road 216	North Barringham West	0.7	Regravel, crush		
		Road 261		1.6	Regravel, crush		
		Road 9	Harriot to Ball Diamond	0.5	Regravel, crush		
		Correction Line Road	Road 9 to Leo Morin	1.7	Regravel, crush		
		Correction Line Road	McLeod Road to Road 259	3.3	Regravel, crush		
		Road 259	Russel Graff to Sam Iriom	3.9	Regravel, crush		
		Road 259	Top of hill to Dunn	0.6	Regravel, crush		
		Road 259	Correction to Walkitons	2.5	Regravel, crush		
		Sunset Road	Corner East Charlie Wills to 1 pole west	1.0	Regravel, crush		
		Sunset Road	Joe Weingart to Road 259	3.3	Regravel, crush		
		Road 261	Ty Neil Driveway to Correction Line	1.6	Regravel, crush		

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Dawson Creek (cont'd)		Road 217	Road 210 to 2.2 km north	2.2	Regravel, pit-run	Jan/86	
		Road 210	17th St. North to 8th St. North	1.6	Regravel, pit-run	Feb/86	
		Road 210	Marion Road to Road 3	3.1	Regravel, pit-run	Feb/86	
		John Deere Road	Road 210 to Highway 49	2.8	Regravel, pit-run	Feb/86	
		Merrick Road	Road 210 to Highway 49	3.2	Regravel, pit-run	Feb/86	
		Valley Gardens	Highway 49 to corner North of Road 203	3.3	Regravel, pit-run	Feb/86	
		Road 203	Road 210 to East	1.0	Regravel, pit-run	Feb/86	
		Road 255		1.4	Regravel, crush		
		Braden Road	Highway 97 south at 3 mile	1.0	Regravel		
		Stewart Lake Road		8.0	Regravel, crush		
		Villow Valley Road		3.2	Regravel, crush		
		Barringham West	West to Charly Barringham	3.2	Regravel, crush		
		Correction Road	261 - 253 East	6.7	Regravel, crush		
		A0002	By Harry Morrow Park	0.5	Regravel edge (build-up), pit-run	July/85	
		South Dawson Road	By Lukas	6.0	Regravel, pit-run	July/85	
		Schoenstein Bridge	Approaches	0.1	Build-up, pit-run	July/85	
		Blockline Road	A0002 to Jct. W. Allace Road	1.6	Regravel, crush	Aug/85	
		Riverside Road	Top of Windy Hill to School Bus Turn	1.1	Regravel, crush	Aug/85	
		Peace Haven	Top of Hill to Old Highway	0.5	Regravel, sandstone	Sept/85	
		A0002	Canyon Creek to South of Blockline	10.2	Regravel, crush	Sept/85	
		Adams Road	Jct. South Dawson Road East	0.3	Regravel, pit-run	Sept/85	
		Bear Mountain Road		0.3	Regravel, spot gravel	July/85	
		Water Treatment Road	3 km West of Fynn to Watertreat Rd.	0.6	Regravel, pit-run	Oct/85	
		Tremblay Road		0.6	Regravel, pit-run	July/85	
		Gundy Road	A0001 - East	1.2	Regravel, crush	June/85	
		Gundy Road	1st Corner North of Giersh Road	1.9	Regravel, crush	June/85	
		Little Leer Sub.		1.7	Regravel, pit-run	June/85	
		Loiselle Road	Jct. Ski Hill Road East	0.6	Regravel, pit-run	June/85	
		Old Highway South of Pouce	End of pulvi-mix to Jct. Tremblay Road	2.0	Regravel, pit-run	July/85	
		Harpers Sub.		1.0	Regravel, pit-run	June/85	
		Moody Road	Junction Brown Pit Road South	1.2	Regravel, pit-run	July/85	
		North Tower Road	A0002 to Wagars	2.1	Regravel, pit-run	July/85	
		Minnelm Road		0.25	Spot gravel, crush	July/85	
		Dewetter Road		0.6	Regravel, crush	June/85	100%
		Haddow Subdivision		0.2	Regravel, pit-run	June/85	
		Tate Creek Road	North Arm to First corner West	1.4	Spot gravel, crush	May/85	
		Briar Ridge Road	Pouce Cemetary to Highway 49	4.5	Regravel, crush	May/85	
		Benn Bridge	Approaches	0.5	Buildup, pit-run	May/85	
		McKone Road	A0002 to A0001	0.7	Regravel, crush	June/85	

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Dawson Creek (cont'd)		Dayus Hill	Bottom Corner to Top of Hill	0.5	Regravel, crush	June/85	
		Nowicks Road	Start of Subdiv. Road to south	0.4	Regravel, crush	June/85	
		Wallase Road	2 South to South of Stewarts	1.6	Regravel, crush	May/85	
		Wallase Road	McNairs to South of Stewarts	0.4	Regravel, sandstone	Sept/85	
		Tremblay Road	South CF to RR tracks	0.5	Regravel, crush	May/85	
Fort St. John	C-1983	Area A	Fort St. John	97.8	Regravel		100%
	C-1983	Area B	Montney	158.3	Regravel		100%
	C-1983	Area C	Rose Prairie	120.7	Regravel		100%
	C-1983	Area D	Hudson Hope	46.3	Regravel		100%
	C-1983	Area E	Clayhurst	85.0	Regravel		100%
	C-1983	Area F	Fort Nelson	32.0	Regravel		100%
	C-1984	Lucas Road	2.7 km east from Road 241		Install cattleguard		100%
	C-1984	Iron Creek Road	km 12.0 - 14.3	2.3	Gravel and drainage improvement		100%
	C-1984	Upper Halfway Road	km 25.0 - 30.0	5.0	Install new fence		60%
	C-1984	Letkiman Road	New road west from Road 189	1.6	Gravel and install culverts		100%
	C-1984	Bar Road	New road, south from Road 112	1.6	Gravel and culverts		100%
	C-1984	Swanson Road		0.8	Gravel		100%
	C-3182	Fish Creek Road	km 0.15 - 0.35	0.2	Install multiplate culvert and slide repair		75%
	C-3183	South Beatton Hill	km 9.2 - 9.5	0.3	Realign, reconstruct and gravel		75%
	C-3183	Blueberry Hill	km 63.2 - 63.8	0.6	Realign, reconstruct and gravel		100%
	C-3184	Upper Halfway	km 26.0 - 30.0	4.0	Reconstruct, realign and gravel		100%
	C-3184	Upper Halfway	km 37.0 - 37.7	0.7	Reconstruct, realign and gravel		100%
	C-3184	Upper Halfway	km 40.5 - 41.0	0.5	Reconstruct, realign and gravel		100%
	C-3184	Upper Halfway	km 42.0 - 45.0	3.0	Reconstruct, realign and gravel		100%
	C-3184	Fleet Road	km 3.6 - 3.8	0.2	Slide repair, excavate, reconstruct fill and regravel		100%
	C-3184	Siphon Creek Road	km 22.15 - 23.95	1.8	Reconstruct, realign approaches for bridge Q7236		100%
	C-3500	West Bypass	km 0.0 - 4.3	4.3	Reconstruct and gravel		100%
		Beatton Park Road	Road 271 to Park Entrance	1.6	Reconstruct and gravel		100%
		Beatton Park Road	Highway 97 to Road 248	8.3	Reconstruct and gravel		100%
		Highway 97	Highway 29 intersection	1.0	Realign, reconstruct and gravel		50%
	C-3501	Upper Halfway	West Cameron Hill, km 23.0 - 25.2	2.2	Reconstruct and realign		100%
	C-3502	Mile 81 1/2 Road	km 0.0 - 9.1	9.1	Reconstruct and realign		70%
	C-3504	Old Montney Road	km 4.01 - 5.31	1.3	Reconstruct		70%
		Old Montney Road	km 13.93 - 14.93		Reconstruct, realign		100%
	C-3571	North Beatton Hill Slide	km 14.2 - 14.5	0.3	Reconstruct, realign thru fill failure, drill and blast danger rock		80%
	C-3578	Airport Road	km 1.7 - 6.4	1.8	Road base repair, major pavement patching at four locations		100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Fort St. John (cont'd)	W-0359	Highway 97	Various locations km 61 - 116		Replace existing deteriorated fencing		80%
	N-0432	Fish Creek, North Beatton and Airport Roads			Guardrail installation		95%
	C-3185	Liard Highway	km 40.0 - 72.0	32.0	Major regravel, shale application		100%
	C-3186	Imperial Pit, Pugh/Wilde Pit			Relandscape		50%
	C-0143A	Todd Road 141		1.0	Upgrade and gravel		100%
	C-0143B	Road 273		0.5	Upgrade		100%
	C-0143C	Road 240		1.0	Upgrade and gravel		100%
	C-0143D	Crossover Road 240		1.6	Upgrade and gravel		100%
	C-0143E	Halloway Road 240A		0.8	Upgrade and gravel		100%
	C-0143F	Trotters Road 117			Improve alignment		100%
	C-0143G	Mcleans Road 117			Improve alignment		100%
	C-0143H	Road 117			Improve alignment		100%
	C-0143I	Cypress Bridge			Construct approaches		100%
	C-0143J	Road 117			Improve alignment		100%
	C-0143K	Blueberry to Evergreen			Widen end gravel		100%
	C-0143L	Aitken Creek Road 189		3.2	Widen and gravel		100%
	C-0143M	Hilltop Road 189		1.6	Upgrade and gravel		100%
	C-0143N	Road 188		2.7	Upgrade and gravel		100%
	C-0143O	Hudson Hope			Brushing		100%
	C-0143Q	Road 174		1.6	Rebuild, gravel		100%
	C-0143R	Road 240		3.2	Rebuild, gravel		100%
	C-0143S	Road 253		2.5	Clear, rebuild, gravel		100%
	C-0143T	Imperial Pit Road 248		1.6	Grader mix		100%
	C-0143U	Road 109			Ditching		100%
	C-0143W	Highway 77	km 119		Replace culvert		100%
	C-0143X	Highway 77	Rest Area		Improve		100%
	C-0143Y	Highway 97	Mile 58.0 to 73.0		Right-of-way cleaning		100%
	C-0143Z	Mason Pit			Construct salt shed		100%
Vanderhoof	C-0455	Misc. Farm Roads, Nechako	Bave Road 191	3.0	Construction over a new route, include gravel and fence	July/85	100%
	C-3039	Tachie Road 207	km 0.0 - 14.0	14.0	Reconstruct and realign existing road	Sept/85	50%
	C-3191	Francois Lake Road	km 11.9 - 12.9	1.0	Reconstruct and realign existing road	Sept/85	50%
	C-3332	Stella Road	East end	2.0	Reconstruct and realign existing road	July/85	70%
	C-3512	Fort Fraser Village Roads		2.0	Clear and grub, ditch, gravel and install culverts	July/85	100%
	C-3513	Yellowhead Highway	km 63.0 - 68.0	5.0	Widen shoulders to 12.2 m	Aug/85	100%
	C-3612	Yellowhead Highway	East of Vanderhoof	1.0	Widen shoulders to 12.2 m and construct turn slots	Oct/85	70%
	N-0433	Francois Lake Road		100 m	Installation of guardrail	Oct/85	100%
	W-0360	Yellowhead Highway	Various locations	13.0	Schedule 2 Fencing	July/85	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (If any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
McBride	C-2050	Highways 16 and 5	Various locations		Machine brush	July/85	100%
	C-2054	Mountain View Road	km 14.85 - 16.0	1.15	Gravel and reconstruct (realign, grade revision, widen)	May/85	100%
	C-2056	Blackman Road	km 4.8 - 10.7	5.9	Gravelling	May/85	100%
	C-2529	Yellowhead Highway	km 0.0 - 20.8	20.8	Pavement preparation, ditch widen, right-of-way clearing	June/85	100%
	C-3189	Gravel Pits	Various locations		Landscape	May/85	100%
	C-3517	Cedarside Road	km 0.0 - 2.7	2.7	Reconstruct (grade revision, widen) and crush	Aug/85	100%
	C-3516	Yellowhead Highway	West Twin Bridge Area, km 20.8		Slope stabilization	Sept/85	100%
	W-0361	Yellowhead Highway	Various locations		Schedule 2 Fencing	May/85	100%
	C-0145A	McBride side roads	Various locations		Machine brush	July/85	100%
	C-0145B	Highway 16 - Tete Jaune	Various locations		Machine brush	Oct/85	100%
	C-0145C	Highway 5 - Blue River	Various locations		Machine brush	Aug/85	100%
	C-0145D	McBride side roads			Ditch	May/85	100%
	C-0145E	Highway 16 - Tete Jaune	Various locations		Ditch	June/85	100%
	C-0145F	Highway 5 - Blue River	Various locations		Ditch	Aug/85	100%
	C-0145G	Highway 16 - McBride	Various locations		Hand brush	June/85	100%
	C-0145H	Highways 16 and 5	Various locations		Catch basins	Sept/85	100%
	C-0145I	Highway 16	25 km east of McBride		Waterline installation	Sept/85	100%
	C-0145J	Tete Jaune	Various gravel pits		Pit preparation	June/85	100%
	C-0145K	Blue River	Various gravel pits		Pit preparation	May/85	100%
	C-0145L	McBride	Various side roads		Regravel	June/85	100%
	C-0145M	Blue River	Various side roads		Regravel	Sept/85	100%
	C-0145N	Dunster North Road	km 0.14 - 0.67	0.53	Brush, gravel, clear and grub	July/85	100%
	C-0145O	Hargreaves Road	At km 0.7 Emperor Bridge		Emperor Fill failure/stabilization	June/85	100%
	C-0145Q	Hargreaves Road	km 2.6 - 2.8	0.2	Reconstruct (Grade revision) shoulder stabilization	June/85	100%
	C-0145R	Highways 16 and 5	Various roads		No post guardrail installation	Oct/85	100%
	C-0145S	Highway 5	Blue River various areas		Multiplate repair	July/85	100%
	C-0145T	Highway 16	Tete Jaune various areas		Gradall brushing	Oct/85	100%
	C-0145U	Cold Road	km 0.0 - 0.1	0.1	Clear for realign, gravelling	Sept/85	100%
	C-0145V	Highway 16	McBride Frontage Area		Landscape and seed	July/85	100%
Williams Lake	C-2517	Chilcotin-Bella Coola Highway	Bull Canyon to Alexis Creek	9.4	Reconstruct, widen and realign	Mar/85	100%
	C-3509	Chilcotin-Bella Coola Highway	Red Hill to Tusulko River	8.0	Reconstruct, widen and realign	Sept/85	100%
	S-0086	Chilcotin-Bella Coola Highway	km 40.6 - 48.8	8.2	Reconstruct, widen shoulders	Oct/85	100%
	C-3501	Mountain House Road	km 15.2 to Likely Road	0.9	Reconstruct, widen and realign	Aug/85	100%
	C-3164	Likely Road	Big Lake to Beaver Valley	11.5	Reconstruct, widen and realign	June/85	100%
	C-2080A	Pigeon Road	Borland Drive to Combs Road	1.0	Reconstruct, widen and realign	June/85	100%
	C-2075	Spokin Lake Road	km 2.6 - 6.6	4.0	Reconstruct, widen	Sept/85	100%
	C-2070	Chimney Lake Road	Brunson Lake to Felker Lake	6.4	Reconstruct, widen and realign	Aug/85	35%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
REGION 5 Prince Rupert	C-3197	Yellowhead Highway	Queen Charlotte Isl. Area 6	800 m	Construction, place riprap berm		100%
	C-3198	Yellowhead Highway 16	Queen Charlotte Isl. Area 7	600 m	Construction, place riprap berm		100%
	C-3199	Yellowhead Highway 16	Queen Charlotte Isl. Area 8	400 m	Construction, place riprap berm		100%
	C-3200	Alliford Bay Road			Culvert replacement		100%
	C-3343	Christina Place Mountain Ashe Drive	Subdivision roads off Copper Bay Road on Queen Charlotte Isl.	500 m 200 m	Grade all paving of subdivision roads		100%
	C-3574	Yellowhead Highway	Tyee to Khyex		Machine patch and widen		100%
Terrace	B-3316	Yellowhead Highway	Exchamsiks Bridge		Repair curtain walls under spans	Nov/85	100%
	B-3317	Old Highway 16 East	Old Skeena		Repair to substructure	Oct/85	100%
	B-3318	Krumm Avenue	Krumm Bridge		Reconstruct - replace all except piles	Feb/86	100%
	C-3192	Old Lakelse Lake Road	km 3.3 - 12.0	8.7	Gravel and apply grade aggregate seal	June/85	100%
	C-3193	Kalum Lake Road	Maroon Creek (km 30.76)	1.0	Repair and pave slide area	June/85	100%
	C-3194	Yellowhead Highway	East and West of Terrace		Construct and pave two "Tourist Information Pull-outs"	June/85	100%
	C-3484	Highway 16 & Old Lakelse Dr.	Intersection and approaches		Reconstruct and pave intersection	Oct/85	65%
	C-3538	Highway 37	km 27.05 - 57.71 (Onion Lake to Kitimat Village Road)	30.66	Reconstruct, ditch, brush and right-of-way clean up, prior to paving	May/85	100%
	C-3539	Highways 16 and 37	Intersection		Add additional lane, repave, install new traffic islands, and additional lighting	Aug/85	10%
	C-3750	Kalum Lake Road	Glacier Creek (km 16.5)	1.0	Construction of berm	Mar/86	100%
	N-0391	Yellowhead Highway 16	Various locations		Installation of guardrail	June/85	100%
Dease Lake	C-3485	Cassiar Access Road	Quartz Rock Creek - Cassiar Townsite	6.6	Reconstruct, realign and widen	Aug/85	40%
	C-3202	Telegraph Creek Road	Ten Mile Corner	0.2	Reconstruct, widen	May/85	100%
Smithers	C-3203	Highway 16	Kathlyn Creek, North Boundary Town of Smithers		Replace collapsed culvert structure complete with concrete headwalls	July/85	100%
	C-3205	Highway 16	West of Kitwanga	8.7	Machine laid paving	June/85	100%
	C-3386	Highway 16	Kitwanga Area and Bulkley Canyon		Stabilize rock slopes with rock bolts scaling and wire mesh	May/85	100%
	C-3486	Fisher Road, Tyee Lake Road, Telkwa High Road and Woodmere Road	All of Fisher and Tyee, Telkwa High between km 40.1 and 42.47 and Woodmere from Highway 16 to Brooks Road	13.6	Reconstruct, widen, strengthen and gravel in preparation for graded aggregate seal	Aug/85	30%
	N-0392	Highway 16	Watsons Hill, Mud Flat Creek and John Brown Creek	482.5	Install concrete roadside barriers	Aug/85	100%
	C-3204	Kispiox Road	km 18.0 - 24.5	6.5	Ditch, regravel and seal with emulsified asphalt	July/85	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Smithers (cont'd)	C-0150D	Driftwood Road	km 0.0 - 0.75	0.75	Reconstruct	Apr/85	100%
	C-0150H	Hazelton: Kitwanga Back Road	Adjacent to D.L. 149 Cassiar	0.9	Relocate fence line and utility poles	May/85	100%
	C-0150J	Hastings Street	From 3rd Avenue to Lot 22, Blk. 26, Plan 785, D.L. 38 Cassiar	0.11	New construction	Oct/85	100%
	C-0150K	Kerr Road	km 3.7 - 3.97	0.27	Reconstruct and widen	June/85	7%
	C-0150M	Highways 16 and 37	Various	1.75	Ditch clean	June/85	100%
	C-0150N	Highway 16	1 km west of Kitsequecla	100 m	Nash Slide, repair circular failure	Oct/85	80%
	C-0150R	Highway 16	Various, west of Kitsequecla	8.7	Regravel shoulders	June/85	100%
	C-0150T	Telkwa High Road	km 40.1 - 42.47	2.37	Clear and grub right-of-way	May/85	80%
	C-0150X	Highway 16	Various, west of Kitsequecla	8.7	Maintenance and betterment	June/85	100%
	C-3195	Highway 16	Bulkley Canyon		Stabilize rock slopes	May/85	100%
Burns Lake	C-0151	Brown Road	Colleymount Road, 3 km north	3.0	Clear, fence, ditch and gravel	May/85	50%
		Francois Highway	At intersection with Francois Road	0.5	Reconstruct	July/85	100%
		Walcott Road	Highway 16, south	3.0	Reconstruct, clear ditch, widen & gravel	June/85	40%
		Mill Bay Road	Topley Landing Road	2.9	Brush, ditch, widen and gravel	Aug/85	100%
		Aitken Road	Bulkley Bridge, south	2.0	Reconstruct, brush, widen, gravel	June/85	40%
		Topley Landing Road	Highway 16, Granisle	15.0	Hand brush and machine brush	June/85	100%
		Keefe's Landing Road	2 km north of Ootsa Lake	0.5	Reconstruct, realign corner and gravel	Sept/85	100%
		Eakin Settlement Road	2 km north of Cheslatta Jct.	0.2	Reconstruct, realign, remove dirt bank	Oct/85	100%
		Binta Road	At Molice Creek	0.5	Reconstruct, install culverts and remove old bridge	May/85	100%
		Highway 16, Uncha Lake Road, Keefe's Landing Road	Various locations	35.0	Reconstruct, crackseal	June/85	100%
		Colleymount	Various	0.6	Reconstruct, apply sealcoat	July/85	100%
		Nourse Subdivision	Highway 35	0.4	Reconstruct, apply sealcoat	July/85	100%
		Uncha Lake Road	End of pavement to Uncha Forestry Lookout Road	3.7	Reconstruct, apply sealcoat	July/85	100%
	C-3408	Yellowhead Highway	West boundary of district to Houston, various locations	3.0	Reconstruct, machine patch	June/85	100%
	C-3488	Colleymount Road	Nicholson Bay area	3.0	Construction, clear, grub, ditch, gravel	Sept/85	90%
	C-3489	Yellowhead Highway 16 and North Francois Highway	Various locations	2.0	Machine patch	June/85	100%
	C-3206	East Tchinkut	km 1.6 - 3.0	1.4	Reconstruct, clear, ditch, gravel and widen	June/85	100%
		Tchinkut	From Highway 35 to 1.6 km east of Highway 35	1.6	Reconstruct apply graded aggregate seal	July/85	100%
		Sheraton	From Highway 16 east to Highway 16 west	1.0	Reconstruct apply graded aggregate seal	July/85	100%
		Wildwood Drive	Highway 16 to 1 km north	1.0	Reconstruct apply graded aggregate seal	July/85	100%
		East Francois	km 3.0 - 6.0	3.0	Reconstruct apply graded aggregate seal	July/85	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (If any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Burns Lake (cont'd)		Lewis Road	At CNR Railway Crossing to Decker Lake Sawmills	1.9	Reconstruct apply graded aggregate seal	July/85	100%
		Keefe's Landing Road		6.3	Reconstruct apply graded aggregate seal	Aug/85	100%
		Miller Road, Murphy Road	Highway 16 to Babine Road	2.4	Reconstruct apply graded aggregate seal	Aug/85	100%
		Eakin Settlement Road		1.0	Reconstruct apply graded aggregate seal	Aug/85	100%
	N-0393	Highway 16	Various locations	0.6	Reconstruct, install guardrail	July/85	100%
	W-0364	Yellowhead Highway	Various locations	4.5	Reconstruct, install new fence	Aug/85	100%
	B-3324	McKilligan Road	Bulkley Bridge (Knockholt)	0.1	Construction, construct new bridge	Oct/85	70%
	H-3603	Highway 35	Jacob Henkel Ferry		Reconstruct, conversion	Sept/85	90%
REGION 6 Nanaimo	C-3209	Brenton Page Road	Trans-Canada Highway to 300 m past Code Road, Cassidy Area	1.5	Reconstruct, revise grade, widen, pave	July/85	100%
	C-3210	Wilson Road	Duncan Area	1.5	Reconstruct, revise grade, widen, pave	July/85	100%
	C-3211	South Shore Road	Lake Cowichan area	0.67	Reconstruct, revise grade, widen, pave, and realign	Sept/85	100%
	C-3212	Renfrew Road	Cobble Hill area	1.6	Reconstruct, revise grade, widen, pave, and realign	Dec/85	95%
	B-3277	Elford Bridge	West Shawnigan Lake Road, Cobble Hill area	0.1	Reconstruct, widen, pave	Aug/85	100%
Saanich	C-2156	Highway 17A	Goward Road intersection	0.2	Realign and revise grade	June/85	100%
	C-2378	Miscellaneous Roads		20.5	Sealcoat	July/85	100%
	C-3213	Miscellaneous Roads		2.0	Reconstruct and pave	Apr/85	100%
	C-3214	Treanor Avenue	Millstream Road to Phelps Avenue	0.3	New construction and pavement	May/85	100%
	C-3215	Kelly Road	Sooke and Kelly Road intersection	0.2	Reconstruct and realign	July/85	100%
	C-3494	West Coast Road	West of Jordan River	1.0	Reconstruct and improvements	July/85	100%
	C-3496	Fulford - Ganges Road	Fulford to Ganges	13.46	Reconstruct, realign and ditch	Jan/86	100%
Port Alberni	C-3216	Shawn Road	Coombs	0.8	New construction, gravel	Apr/85	100%
	C-3217	John Street	East Boundary	0.3	Stabilize creek banks, riprap	Aug/85	100%
	C-3218	Errington Road	Errington	0.8	Reconstruct, widen and ditch	Sept/85	100%
	C-0542	Beaver Creek Road	Alberni Valley	1.1	Widen, ditch, minor reconstruct, minor paving	July/85	100%
	C-3497A	Alberni-Bamfield Road	Alberni end	0.5	Prepare and pave	Aug/85	100%
	C-3497B	Faye Road	Qualicum Bay	1.0	Prepare and pave	Aug/85	100%
	C-3497C	Nuthatch Road and Pachena Road	Bamfield East	0.5	Prepare and pave	Aug/85	100%
	C-3497D C-0154J	Grafton Avenue	Errington	1.0	Prepare and pave	Aug/85	100%
	C-2162	Ware Road	Lantzville	0.9	Clear and grub	Sept/85	50%
	C-3543	Bamfield West Trails	Bamfield West	1.0	Cut trees and brush	Sept/85	100%
	C-0154A	Bamfield Road	Bamfield East	1.5	Ditch, gravel, minor widening	Apr/85	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Port Alberni (cont'd)	C-0154D	)Arbutus Road	Parksville Foreman Area	4.4	Chipseal side roads	Aug/85	100%
	C-0154E	)Butterball Road					
		)Kincade Road					
		)Lowry's Road					
		)Pintail Drive					
		)Seaway Drive					
		)Tuan Road					
		)Yambury Road					
	C-0202	Alberni-Parksville Highway	McMillan Park		Remove danger trees	Jan/86	50%
	N-0397	Alberni-Parksville Highway	West side of Summit	0.4	Replacement of no-post guardrail	May/85	100%
	C-0154B	Pacific Rim Highway	Sutton Pass area	4.7	Ditch construction	June/85	100%
	C-0154G	Tofino-Ucluelet Road	Ucluelet	0.5	Ditch construction, realign curve	June/85	100%
	C-0154I	Tofino Arterial Highway	Tofino		Remove rock bluff	Oct/85	100%
	C-0154L	Compton Road	Port Alberni	0.2	Shoulder widening	Nov/85	100%
Courtenay	C-0155B	Miscellaneous Roads	Courtenay	17.0	Sealcoat and inverted prime	June/85	100%
	C-0155C	Rodger Road	Courtenay		Realign and widening	Aug/85	100%
	C-0155D	Miscellaneous Roads	Read Island	8.0	Replace culverts, soft gravel	May/85	100%
	C-0155F	Highway 28	Gold River	1.4	Ditching	Oct/85	100%
	C-0155G	Coal Harbour Road	Port Hardy	0.7	Realign, clear and grub	June/85	100%
	C-0155H	Miscellaneous Roads	Sointula	2.2	Overlay pavement	Sept/85	100%
	C-0155J	Bold Point Road	Quadra Island	0.1	Replace culvert	July/85	100%
	C-0155Y	Miscellaneous Roads	Courtenay	0.5	Machine pave, road surface, clean	June/85	100%
	C-0155Z	Miscellaneous Roads	Port Hardy	0.3	Machine pave	Aug/85	100%
	C-3219	Island Highway	Woss	0.3	Road base repair and repave	July/85	100%
	C-3220	Homewood Road	Campbell River	0.4	Repave road	Aug/85	100%
	C-3221	Douglas Street	Port Hardy	0.15	New construction, pave	June/85	100%
	C-3222	Holberg Road	Port Hardy	0.6	Drill, blast and widen road	Sept/85	100%
	C-3223	Highway 28	Gold River	0.3	Major machine patches	Aug/85	100%
	C-3224	Western Mines Road	Campbell River	1.6	Widen shoulder, machine patch and ditch	June/85	100%
	C-3225	Lazo Road	Courtenay	1.5	Road widening, alignment and pave	May/85	100%
	C-3440A	Headquarters Road	Courtenay	1.0	Reconstruct, fence road	Aug/85	100%
	C-3440B	Rodger Road	Courtenay	0.8	Reconstruct road	Oct/85	100%
	C-3440C	Highway 28	Gold River	2.3	Ditch	Oct/85	100%
	C-3440D	Coal Harbour Road	Port Hardy	0.7	Realign, grub	Oct/85	100%
	C-3440E	Holberg Road	Port Hardy	1.0	Drill, blast and widen	Nov/85	100%
	C-3440F	Campbell Way	Port Hardy	1.6	Pavement	Oct/85	100%
	C-3440G	Smiths Road	Quadra Island	0.7	Pavement and shoulder	Sept/85	100%
	C-3440H	Denman Road	Denman Island	1.0	Pave	Oct/85	100%
	C-3440J	Shingle Spit Road	Hornby Island	1.0	Pave	Oct/85	100%
	C-3440K	Miscellaneous Roads	Courtenay	7.0	Prepare roads for sealcoat	Nov/85	100%
	C-3440L	Miscellaneous Roads	Campbell River	3.0	Prepare roads for sealcoat	Jan/86	100%

STATEMENT AS TO MAJOR HIGHWAY WORK (DAY LABOUR ONLY) COMPLETED OR IN PROGRESS - cont'd

Region and Hwy. District	Project Number (if any)	Name of Road	Location of Work	Distance of Work (km)	Description of Work	Date Started	Complete at March 31, 1986
Courtenay (cont'd)	C-3440M	Miscellaneous Roads	Cortes Island	3.0	Gravelling	Mar/86	100%
	C-3440N	Miscellaneous Roads	Quadra Island	5.0	Prepare roads for chip sealing	Oct/85	100%
	C-3440P	Miscellaneous Roads	Denman Island	4.0	Prepare roads for chip sealing	Oct/85	100%
	C-3440R	Miscellaneous Roads	Hornby Island	3.5	Prepare roads for chip sealing	Oct/85	100%
	C-3440Y	Sundry Roads	Comox Electoral District	2.3	Gravel, ditch	Mar/86	100%
	C-3440Z	Sundry Roads	North Island Electoral District	4.0	Brush, ditch	Mar/86	100%
	C-3441	Campbell Way	Port Hardy	1.6	Pave, upgrade	Aug/85	100%

HIGHWAYS STATISTICS

STATEMENT SHOWING DISTANCES OF PROVINCIAL HIGHWAYS AND CLASSIFIED HIGHWAYS

By Class
(Classified in Bold Type)

METRIC MEASURES

Region and Highway District	Provincial and Classified	Ministry of Transportation & Highways							Ministry of Energy, Mines and Petroleum Resources	
		Trunk Highways	Main Highways	Other Roads		Total Distance Open	Distance Not Open	Trails	Roads	Trails
				Collector	Minor					
REGION 1										
11. North Vancouver.	Provincial	8.22	75.10	98.84	107.57	289.73	16.26	.....	.....	.....
	Classified	48.77	80.33	13.91	4.27	147.28	.....	.....	.....	.....
12. Gibsons.........	Provincial	.....	121.48	127.43	313.47	562.38	172.63	26.79	.....	.....
	Classified	.....	18.95	.24	6.40	25.59	.....	.....	.....	.....
14. New Westminster.	Provincial	0.35	2.23	32.23	36.67	71.48	3.46	.....	.....	.....
	Classified	277.81	169.36	105.60	5.69	558.46	21.89	.....	.....	.....
15. Chilliwack......	Provincial	269.49	6.68	149.07	435.25	860.49	51.07	74.82	20.11	139.02
	Classified	126.07	57.71	63.87	1.53	249.18	.....	.....	.....	.....
Regional Totals..	Provincial	278.06	205.49	407.57	892.96	1784.08	243.42	101.61	20.11	139.02
	Classified	452.65	326.35	183.62	17.89	980.51	21.89	.....	.....	.....
REGION 2										
21. Kamloops.......	Provincial	310.70	121.30	337.50	1207.80	1977.30	77.00	204.40	.....	.....
	Classified	50.00	6.70	.....	.....	56.70	.....	.....	.....	.....
22. Salmon Arm.....	Provincial	194.15	.....	455.00	584.17	1233.32	127.01	.....	22.54	76.97
	Classified	23.29	5.64	21.88	.....	50.91	.....	.....	.....	.....
23. Vernon.........	Provincial	134.69	8.85	409.54	472.64	1025.72	82.33	33.60	57.92	67.57
	Classified	59.23	.....	25.76	.....	84.99	.....	.....	.....	.....
24. Penticton......	Provincial	297.45	.....	394.10	712.27	1403.82	55.51	111.98	29.36	149.06
	Classified	37.32	.....	18.47	.....	55.79	.....	.....	.....	.....
25. Merritt........	Provincial	157.72	86.29	407.17	557.03	1208.21	14.82	.....	12.39	8.05
	Classified	5.47	10.36	.....	.....	15.83	.....	.....	.....	.....
26. Lillooet.......	Provincial	74.10	158.20	154.07	635.90	1022.27	58.20	.....	.....	.....
	Classified	7.60	9.40	.....	.....	17.00	.....	.....	.....	.....
27. 100 Mile House.	Provincial	140.87	62.30	562.20	1257.94	2023.31	134.70	153.92	9.60	117.12
	Classified	4.43	.....	.....	2.62	7.05	.....	.....	.....	.....
29. Kelowna........	Provincial	45.43	30.21	237.26	700.83	1013.73	250.03	.....	.....	.....
	Classified	43.96	9.10	17.42	.....	70.48	.....	.....	.....	.....
Regional Totals..	Provincial	1355.11	467.15	2956.84	6128.58	10907.68	799.60	503.90	131.81	418.77
	Classified	231.30	41.20	83.53	2.62	358.75	.....	.....	.....	.....
REGION 3										
31. Nelson.........	Provincial	162.90	41.20	155.89	364.11	724.10	28.11	.....	144.92	20.11
	Classified	11.72	.....	.58	.....	12.30	.....	.....	.....	.....
32. Rossland.......	Provincial	155.62	15.83	58.02	294.94	525.59	90.30	.....	.....	.....
	Classified	35.25	3.91	1.29	.....	40.45	2.02	.....	.....	.....
33. Grand Forks....	Provincial	133.73	96.01	167.92	649.62	1047.28	50.48	.....	19.55	.....
	Classified	15.39	.....	1.98	.....	17.37	.....	.....	.....	.....
34. New Denver.....	Provincial	162.60	148.40	73.30	318.81	703.11	57.54	.....	279.50	67.20
	Classified	4.30	8.40	.....	.....	12.70	.....	.....	.....	.....
35. Cranbrook......	Provincial	217.00	.....	216.90	574.50	1008.40	67.80	.....	19.30	.....
	Classified	15.60	.....	4.00	.....	19.60	.....	.....	.....	.....
36. Fernie.........	Provincial	114.47	21.45	93.09	401.91	630.92	313.89	.....	.....	.....
	Classified	32.48	7.38	19.77	.....	59.63	.....	.....	.....	.....
37. Golden.........	Provincial	259.90	.....	9.70	555.60	824.80	87.20	.....	274.10	74.00
	Classified	9.10	.....	4.50	.....	13.60	2.50	.....	.....	.....
38. Revelstoke.....	Provincial	71.32	110.76	15.24	255.40	452.72	30.69	.80	15.93	83.85
	Classified	8.99	1.39	7.22	6.81	24.41	.....	.....	.....	.....
39. Creston........	Provincial	180.17	13.31	57.12	298.40	549.00	37.86	.....	.....	.....
	Classified	5.36	.35	2.03	.....	7.74	.....	.....	.....	.....
Regional Totals..	Provincial	1457.71	446.96	847.18	3713.29	6465.92	763.87	.80	753.30	245.16
	Classified	138.19	21.43	41.37	6.81	207.80	4.52	.....	.....	.....

STATEMENT SHOWING DISTANCES OF PROVINCIAL HIGHWAYS AND CLASSIFIED HIGHWAYS

By Class
(Classified in Bold Type)

METRIC MEASURES

Region and Highway District	Provincial and Classified	Ministry of Transportation & Highways							Ministry of Energy, Mines and Petroleum Resources	
		Trunk Highways	Main Highways	Other Roads: Collector	Other Roads: Minor	Total Distance Open	Distance Not Open	Trails	Roads	Trails
REGION 4										
41. Prince George...	Provincial	417.73	45.58	153.21	882.75	1499.27	310.79	.....	.....	.....
	Classified	**58.68**	**20.44**	.....	.....	**79.12**	**2.75**	.....	.....	.....
42. Quesnel.........	Provincial	174.30	79.80	411.80	1594.72	2260.62	81.18	93.86	288.11	535.90
	Classified	**11.12**	**.15**	**6.75**	**.38**	**18.40**	.....	.....	.....	.....
43. Dawson Creek....	Provincial	442.90	250.60	1404.56	559.03	2657.09	2037.67	.....	.....	.....
	Classified	**65.99**	**39.00**	**1.72**	.....	**106.71**	.....	.....	.....	.....
44. Fort St. John...	Provincial	69.60	128.62	1547.26	807.89	2553.37	1344.32	.....	.....	.....
	Classified	**7.58**	**22.63**	**33.97**	**12.70**	**76.88**	.....	.....	.....	.....
45. Vanderhoof......	Provincial	116.37	53.50	534.29	713.47	1417.63	354.11	297.86	416.68	233.45
	Classified	**27.70**	**10.35**	**7.60**	.....	**45.65**	.....	.....	.....	.....
46. McBride.........	Provincial	.....	355.93	.....	382.42	738.35	35.35	.....	.....	.....
	Classified	.....	**1.19**	**1.26**	.....	**2.45**	.....	.....	.....	.....
47. Williams Lake...	Provincial	61.86	455.99	193.23	2357.11	3068.19	110.34	596.89	90.67	268.59
	Classified	**6.09**	**3.12**	**7.40**	.....	**16.61**	.....	.....	.....	.....
Regional Totals...	Provincial	1282.76	1370.02	4244.35	7297.39	14194.52	4273.76	988.60	795.46	1037.94
	Classified	**177.16**	**96.88**	**58.70**	**13.08**	**345.82**	**2.75**	.....	.....	.....
REGION 5										
51. Prince Rupert...	Provincial	15.81	300.57	20.10	104.58	441.06	71.01	54.48	53.27	.....
	Classified	**42.05**	**52.49**	**4.10**	.....	**98.64**	.....	.....	.....	.....
52. Terrace.........	Provincial	136.54	51.11	91.23	165.29	444.17	145.12	133.31	.....	57.49
	Classified	**5.95**	**6.60**	**12.33**	.....	**24.88**	.....	.....	.....	.....
53. Dease Lake......	Provincial	.....	564.36	45.96	260.87	871.19	.50	1281.90	.....	.....
	Classified	.....	.....	.....	.....	.....	.....	.....	.....	.....
54. Smithers........	Provincial	249.77	.....	173.36	631.41	1054.54	140.08	611.42	28.48	435.23
	Classified	**13.73**	.....	**1.02**	**8.05**	**22.80**	.....	.....	.....	.....
55. Burns Lake......	Provincial	109.10	22.20	418.40	515.50	1065.20	59.60	.....	.....	137.60
	Classified	**36.20**	**.80**	**2.30**	.....	**39.30**	.....	.....	.....	.....
Regional Totals...	Provincial	511.22	938.24	749.05	1677.65	3876.16	416.31	2081.11	81.75	630.32
	Classified	**97.93**	**59.89**	**19.75**	**8.05**	**185.62**	.....	.....	.....	.....
REGION 6										
61. Nanaimo.........	Provincial	49.80	26.70	277.60	836.50	1190.40	105.34	18.40	28.32	22.40
	Classified	**47.93**	**17.23**	**20.00**	.....	**85.16**	.....	.....	.....	.....
62. Saanich.........	Provincial	23.24	71.00	242.46	749.10	1085.80	124.64	.....	.....	69.26
	Classified	**54.03**	**50.47**	**27.49**	**1.11**	**133.10**	.....	.....	.....	.....
63. Port Alberni....	Provincial	167.80	43.50	35.30	669.80	916.20	422.70	29.90	7.20	.....
	Classified	**17.41**	**15.95**	.....	.....	**33.36**	.....	.....	.....	.....
64. Courtenay.......	Provincial	286.52	46.00	151.70	958.48	1442.70	178.10	376.80	.....	106.10
	Classified	**42.65**	**28.30**	.....	**23.64**	**94.59**	.....	.....	.....	.....
Regional Totals...	Provincial	527.16	187.20	707.06	3213.88	4635.10	830.78	425.10	35.52	197.76
	Classified	**162.02**	**111.95**	**47.49**	**24.75**	**346.21**	.....	.....	.....	.....
Totals............	Provincial	5412.02	3615.06	9912.05	22923.75	41863.46	7327.75	4101.12	1817.95	2668.97
	Classified	**1259.25**	**657.70**	**434.46**	**73.20**	**2424.71**	**69.84**	.....	.....	.....
Grand Totals......	Provincial & Classified	6671.27	4272.76	10346.51	22996.95	44288.17	7397.59	4101.12	1817.95	2668.97

HIGHWAYS STATISTICS

STATEMENT SHOWING DISTANCES OF PROVINCIAL HIGHWAYS AND CLASSIFIED HIGHWAYS

By Surface Type
(Classified in Bold Type)

METRIC MEASURES

Region and Highway District	Provincial and Classified	A Portland Cement Concrete	A Bituminous Plantmix	B Bituminous Roadmix and Soil Cement	C Gravelled	D Not Gravelled	Total km Open	Right-of-Way Cleared	Right-of-Way Established	Total Distance Not Open
REGION 1										
11. North Vancouver.	Provincial	2.00	117.31	55.91	113.59	.92	289.73	6.58	9.68	16.26
	Classified	.....	143.20	.....	4.08	.....	147.28	.....	.....	.....
13. Gibsons..........	Provincial	.....	277.41	101.74	165.03	18.20	562.38	19.91	152.72	172.63
	Classified	.....	24.71	.88	.....	.....	25.59	.....	.....	.....
14. New Westminster.	Provincial	2.40	47.88	12.75	8.24	.21	71.48	3.12	.34	3.46
	Classified	1.49	540.43	16.54	.....	.....	588.46	1.05	20.84	21.89
15. Chilliwack......	Provincial	.....	504.81	62.58	220.68	72.43	860.49	32.29	17.79	51.07
	Classified	.....	219.13	29.72	.33	.....	249.18	.....	.....	.....
Regional Totals...	Provincial	4.40	947.40	232.98	499.29	91.76	1784.08	62.84	180.52	243.42
	Classified	1.49	927.47	47.14	4.41	.....	980.51	1.05	20.84	21.89
REGION 2										
21. Kamloops........	Provincial	.....	365.40	355.20	1035.30	221.40	1973.30	70.50	6.50	77.00
	Classified	.....	80.00	6.70	.....	.....	56.70	.....	.....	.....
22. Salmon Arm......	Provincial	.....	407.83	153.26	537.32	134.91	1233.32	76.16	50.85	127.01
	Classified	.....	50.91	.....	.....	.....	50.91	.....	.....	.....
23. Vernon..........	Provincial	.....	279.21	222.98	467.63	55.90	1025.72	.....	82.33	82.33
	Classified	.....	73.16	11.83	.....	.....	84.99	.....	.....	.....
24. Penticton.......	Provincial	.....	379.75	424.81	414.11	185.15	1403.82	.....	55.51	55.51
	Classified	.....	50.22	5.57	.....	.....	55.79	.....	.....	.....
25. Merritt.........	Provincial	.....	248.49	215.13	464.96	279.63	1208.21	9.43	5.39	14.82
	Classified	.....	8.97	6.86	.....	.....	15.83	.....	.....	.....
26. Lillooet........	Provincial	.....	86.10	231.40	641.57	63.20	1022.27	.....	58.20	58.20
	Classified	.....	6.90	10.1	......	.....	17.00	.....	.....	.....
27. 100 Mile House..	Provincial	.....	329.04	139.84	1277.72	276.72	2023.31	95.96	38.74	134.70
	Classified	.....	6.51	.54	.....	.....	7.05	.....	.....	.....
29. Kelowna.........	Provincial	.....	569.45	125.93	265.75	52.60	1013.73	.....	250.03	250.03
	Classified	.....	69.81	0.67	.....	.....	70.48	.....	.....	.....
Regional Totals...	Provincial	.....	2665.26	1868.55	5094.35	1269.51	10807.68	252.05	547.55	799.60
	Classified	.....	316.48	42.27	.....	.....	358.75	.....	.....	.....
REGION 3										
31. Nelson..........	Provincial	.79	264.05	120.75	273.94	64.57	724.10	.....	28.11	28.11
	Classified	.30	12.00	.....	.....	.....	12.30	.....	.....	.....
32. Rossland........	Provincial	.42	250.11	111.86	135.63	27.57	525.59	19.01	71.29	90.30
	Classified	.....	40.45	.....	.....	.....	40.45	.....	2.02	2.02
33. Grand Forks.....	Provincial	.....	178.06	318.87	332.58	217.77	1047.28	20.52	29.96	50.48
	Classified	.....	17.37	.....	.....	.....	17.37	.....	.....	.....
34. New Denver......	Provincial	.....	104.90	265.20	231.11	101.90	703.11	2.76	54.78	57.54
	Classified	.....	3.50	9.20	.....	.....	12.70	.....	.....	.....
35. Cranbrook.......	Provincial	.....	274.50	111.00	399.10	223.80	1008.40	16.90	50.90	67.80
	Classified	.....	15.60	4.00	.....	.....	19.60	.....	.....	.....
36. Fernie..........	Provincial	.....	158.10	130.48	205.32	137.02	630.92	74.02	239.87	313.89
	Classified	.....	58.76	.....	.87	.....	59.63	.....	.....	.....
37. Golden..........	Provincial	.....	348.1	98.70	338.10	39.90	824.80	68.60	18.60	87.20
	Classified	.....	13.60	1.80	.....	.....	15.40	.....	2.50	2.50
38. Revelstoke......	Provincial	.....	200.87	117.03	102.67	32.15	452.72	24.99	5.70	30.69
	Classified	.....	24.01	.40	.....	.....	24.41	.....	.....	.....
39. Creston.........	Provincial	1.08	223.58	120.77	157.46	46.11	549.00	13.99	23.87	37.86
	Classified	.....	7.74	.....	.....	.....	7.74	.....	.....	.....
Regional Totals...	Provincial	2.29	2002.27	1394.66	2175.91	890.79	6465.92	240.79	523.08	763.90
	Classified	.30	193.03	15.40	.87	.....	209.59	.....	4.52	4.52

STATEMENT SHOWING DISTANCES OF PROVINCIAL HIGHWAYS AND CLASSIFIED HIGHWAYS

By Surface Type
(Classified in Bold Type)

METRIC MEASURES

Region and Highway District	Provincial and Classified	A Portland Cement Concrete	A Bituminous Plantmix	B Bituminous Roadmix and Soil Cement	C Gravelled	D Not Gravelled	Total km Open	Right-of-Way Cleared	Right-of-Way Established	Total Distance Not used
REGION 4										
41. Prince George...	Provincial	.....	505.95	113.07	662.08	218.17	1499.27	148.94	161.85	310.79
	Classified	.....	**69.54**	.....	**9.58**	.....	**79.12**	**2.75**	.....	**2.75**
42. Quesnel.........	Provincial	.....	544.87	33.13	1354.14	328.48	2260.62	43.99	37.19	81.18
	Classified	**.59**	**17.81**	.....	.....	.....	**18.40**	.....	.....	.....
43. Dawson Creek....	Provincial	.....	598.59	22.08	1747.79	288.61	2657.09	57.47	1989.20	2036.67
	Classified	.....	**80.74**	.....	**25.97**	.....	**106.71**	.....	.....	.....
44. Fort St. John...	Provincial	.....	321.42	.....	1932.80	299.15	2553.37	47.90	1296.42	1344.32
	Classified	.....	**62.58**	.....	**14.30**	.....	**76.88**	.....	.....	.....
45. Vanderhoof......	Provincial	.....	270.56	4.10	1077.28	65.69	1417.63	120.88	223.23	354.11
	Classified	.....	**41.45**	.....	**4.20**	.....	**45.65**	.....	.....	.....
46. McBride.........	Provincial	.....	334.73	93.90	246.10	63.62	738.35	20.13	15.22	35.35
	Classified	.....	**2.45**	.....	.....	.....	**2.45**	.....	.....	.....
47. Williams Lake...	Provincial	.....	492.98	1.87	1465.32	1108.02	3068.19	68.24	42.10	110.34
	Classified	.....	**16.61**	.....	.....	.....	**16.61**	.....	.....	.....
Regional Totals...	Provincial	.....	3069.10	268.15	8485.31	2371.74	14194.50	507.55	3766.21	4273.76
	Classified	**.59**	**291.18**	.....	**54.05**	.....	**345.82**	**2.75**	.....	**2.75**
REGION 5										
51. Prince Rupert...	Provincial	.....	283.56	.53	129.64	27.33	441.06	19.18	51.03	71.01
	Classified	.....	**98.64**	.....	.....	.....	**98.64**	.....	.....	.....
52. Terrace.........	Provincial	.....	298.30	11.61	130.91	3.35	444.17	49.79	95.33	145.12
	Classified	.....	**24.88**	.....	.....	.....	**24.88**	.....	.....	.....
53. Dease Lake......	Provincial	.....	32.36	182.08	547.97	108.78	871.19	.....	.50	.50
	Classified	.....	.....	.....	.....	.....	.....	.....	.....	.....
54. Smithers........	Provincial	.....	323.98	9.12	681.26	40.18	1054.54	17.11	122.97	141.08
	Classified	.....	**22.05**	.....	**.75**	.....	**22.80**	.....	.....	.....
55. Burns Lake......	Provincial	.....	212.80	48.70	692.00	111.70	1065.20	22.00	37.60	59.60
	Classified	.....	**38.80**	.....	**.05**	.....	**39.30**	.....	.....	.....
Regional Totals...	Provincial	.....	1151.00	252.04	1919.96	291.34	3876.76	108.08	307.43	416.31
	Classified	.....	**184.37**	.....	**1.25**	.....	**185.62**	.....	.....	.....
REGION 6										
61. Nanaimo.........	Provincial	.....	532.79	303.52	354.09	.....	1190.40	4.58	100.76	105.34
	Classified	.....	**85.16**	.....	.....	.....	**85.16**	.....	.....	.....
62. Saanich.........	Provincial	.....	335.98	394.42	334.83	20.57	1085.80	12.08	112.56	124.64
	Classified	.....	**115.28**	**17.82**	.....	.....	**133.10**	.....	.....	.....
63. Port Alberni....	Provincial	.....	473.60	119.20	322.20	1.20	916.20	10.30	412.40	422.70
	Classified	.....	**33.36**	.....	.....	.....	**33.36**	.....	.....	.....
64. Courtenay.......	Provincial	.40	699.50	297.30	433.20	12.30	1442.70	13.50	164.60	178.10
	Classified	.....	**85.99**	**6.99**	**1.61**	.....	**94.59**	.....	.....	.....
Regional Totals...	Provincial	.40	2041.87	1114.44	1444.32	34.07	4635.10	40.46	790.32	830.78
	Classified	.....	**319.79**	**24.81**	**1.61**	.....	**346.21**	.....	.....	.....
Totals............	Provincial	7.09	11876.90	5130.82	19619.34	4949.21	41864.04	1211.82	6115.11	7327.77
	Classified	**2.38**	**2232.32**	**129.62**	**62.19**	.....	**2426.50**	**3.80**	**25.36**	**29.16**
Grand Totals......	Provincial & Classified	9.47	14109.22	5260.44	19681.53	4949.21	44290.54	1215.62	6140.47	7356.93

REPORT OF THE INSURANCE AND CLAIMS OFFICER

W.D. Penman

The number of traffic accidents involving vehicles owned by (or leased to) the government was 1,382 including 126 accidents in which government vehicles were parked. In the previous year there were 1,405 accidents.**

MOTOR VEHICLES INVOLVED IN ACCIDENTS (1984/85 figures in parentheses)**

Ministry	Number of Accidents	Number of Vehicles	Per Cent of Vehicles	Per Cent of Accidents
Agriculture & Food	11 (16)	165 (176)	1.73 (1.83)	.79 (1.14)
Attorney General	86 (91)	747 (996,	7.82 (10.36)	6.21 (6.48)
Consumer & Corporate Affairs	13 (4)	48 (53)	0.50 (.81)	0.94 (0.28)
Energy Mines and Petroleum Resources	8 (5)	75 (85)	0.78 (.88)	0.58 (0.36)
Environment	48 (55)	461 (455)	4.82 (4.73)	3.47 (3.91)
Finance	8 (8)	54 (55)	0.56 (0.57)	0.58 (0.57)
Forests	220 (209)	1483 (1492)	15.52 (15.51)	15.88 (14.88)
Health	246 (227)	979 (920)	10.24 (9.57)	17.76 (16.16)
Human Resources	75 (84)	404 (444)	4.23 (4.62)	5.42 (5.98)
Labour	19 (16)	164 (173)	1.72 (1.80)	1.37 (1.14)
Lands, Parks & Housing	43 (37)	327 (384)	3.42 (3.99)	3.10 (2.63)
Provincial Secretary and Government Services	21 (21)	82 (85)	0.86 (.88)	1.52 (1.50)
Transportation & Highways	583 (624)	4517 (4230)	47.26 (43.98)	42.09 (44.41)
Tourism	1 (4)	19 (22)	0.20 (.23)	0.07 (0.28)
All Other Ministries	3 (4)	33 (23)	0.34 (.24)	0.22 (0.28)
TOTAL	1,385* (1,405)	9,558 (9,618)	100.00 (100.00)	100.00 (100.00)

* There were three accidents involving two or more vehicles of different ministries. There were 51 accidents involving two or more vehicles of the same ministry.

** Some of the figures for 1984/85 have been increased or amended from the previous annual report due to the late reporting of accidents occurring during that time period.

Recovered from the Insurance Corporation of British Columbia and other automobile liability insurers was an amount of $257,635.82 for damages to government vehicles.

Claims other than those arising out of accidents involving government motor-vehicles resulted in recovery of repair costs of $849,922.79 in 492 accidents for damages to guardrails, bridges, signs, lamp or signal standards, fences, posts and poles and miscellaneous items such as flagging, clean-up of spills, pavement repairs and vandalism.

Some of the major items of recovery were $32,240.14 for repairs of an overpass, lamp standard and attenuator in the Chilliwack Highways District; $20,889.14 for clean-up resulting from a washout near Beaverdell in the Grand Forks Highways District; $19,201.26 for bridge damage in the Merritt Highways District; $53,358.24 for damages to the Silver Bridge in the Nanaimo Highways District; $22,186.15 for damage to pier protection in the New Westminster Highways District; $76,256.53 for damages to the Lillooet River Bridge; $28,000 for bridge damages in the Smithers Highways District, and $23,668.53 ($21,686.39 of this amount represented expenses recovered for the Ministry of Environment) for clean-up of a sodium cyanide spill in the Vanderhoof Highways District.

Not included in these recoveries were 11 claims against insurance policies purchased by the Government totalling $242,816.10. Major claims were $23,961.74 for a bombadier muskeg skidder loss, $28,069.97 for an arson loss, and $174,855.76 for two rebar tower losses.

Other recoveries not included in the foregoing involved 85 claims arising from the transferring of government employees, all of these being from damage to household effects. The amount recovered from the Provincial Government's insurers and the carriers totalled $18,150.92.

The total paid out for 195 miscellaneous third party claims was $198,521.71 including $25,399.93 paid out for claims arising from operations of ministry ferries and $705.72 for claims handled on behalf of British Columbia Steamship Company.

In 44 lawsuits in which the government was the defendant, 27 were settled out of court, four were withdrawn, two were dismissed, and six were discontinued, two judgements for plaintiff, two settlements paid into Court and one judgement in our favour.

In eight cases in which the government was plaintiff, five were settled out of court, two were discontinued and one case was withdrawn.

There are presently 191 cases in various stages of litigation, the government being the plaintiff in 33 of these.

The renewing and refining of special project insurances relating to Annacis/Richmond East/West Freeway system and Garibaldi (Highway 99) continue to require considerable attention, due in part, to recent changes in the private insurance market. Premiums paid for these insurance policies totalled $761,818.00.

PREMIUMS PAID FOR INSURANCE PLACED DURING 1984/85:	B.C. Steamship Co. (1975) Ltd.	$ 95,193.00
	Ministry of Transportation & Highways	955,726.68
	Commissions and other Ministries	233,664.28
	TOTAL	$1,284,583.96

HIGHWAYS OPERATIONS

REPORT OF THE DIRECTOR OF HIGHWAY DESIGN AND SURVEYS

E. E. Readshaw, P.Eng.

Program

During the fiscal year from April 1, 1985 to March 31, 1986, the Design and Surveys Branch worked on a total of 152 projects representing 814.49 km of two, four and five lane highway.

Design Activities

The major areas of design effort have been the Coquihalla Highway, Annacis Project and Highway 99 from Horseshoe Bay to Squamish.

Within Phase II of the Coquihalla Highway (Merritt to Kamloops), 21 construction contracts were awarded consisting of 107.55 km of roadway, 43.39 km of which had a separate clearing and grubbing contract. A corridor study and design was proceeding on Phase III (Merritt to Okanagan).

Twelve construction projects totalling 48.5 km, including wick drain and soils densification projects were awarded on the Annacis Highway. Seven construction projects totalling 12 km, including wick drain and soils densification were awarded on the Richmond East/West Freeway.

Along Squamish Highway 99, two major debris torrent control basin designs were awarded to contract for Newman and Harvey Creeks.

Three miscellaneous highway contracts totalling 12.5 km were also awarded throughout the province.

The following table is a listing of the projects being designed and shows the three principal stages of investigation. Preliminary Studies being work carried out to determine the most acceptable and feasible alignment, surveys which consist of field work to obtain engineering detail and design in which final detailed plans are prepared for construction.

Name of Project	km	Percentage Complete			Comments
		Prelim. Study	Survey	Design	
HIGHWAY 1					
Capilano - Lynn Valley	4.0	90	90	100	6 Lane freeway design
Lonsdale Interchange	1.0		100	100	Replacing existing intersection with interchange
Floods to Hope	9.7		100	100	4 lane freeway design
Sumas Canal to Vedder Canal	3.0		85	25	4 lane freeway design
North and South Parallel Roads Atkinson to Marion	10.1		100	100	Frontage road sections on Sumas Prairie
Annis Road Interchange	.5		100	99	Elimination of grade intersection
Vedder Interchange (Old Yale Road)	0.5		100	96	Elimination of grade intersection
Vedder Crossing at Keith Wilson Road	1.4		100	60	Approaches for single lane bridge to connect local road system
Popkum Interchange	0.5		100	100	Conversion to freeway
Whatcom Interchange	0.5		100	100	Conversion to freeway
Sumas Mountain Overpass	0.5		100	100	Conversion to freeway
Hunter Creek Interchange	0.5		100	100	Conversion to freeway
SW 1/4, Sec. 9, Tp. 20, R. 19, Cornwall Lodge	4.9		90	85	4 lane
Afton Mine to Old Ski Hill	3.02		100	100	Conversion to 6 lane freeway
Old Ski Hill to Columbia Street	3.25		100	98	Conversion to 6 lane freeway
Sicamous Narrows Crossing Main Street	.6		75	30	Bridge site plan and approaches

Name of Project	km	Percentage Complete			Comments
		Prelim. Study	Survey	Design	
HIGHWAY 1 (continued)					
Cambie - Malakwa	8.0		95	75	Widen to 4 lane
Craigellachie - Perry River	6.0	12	95		4 lane freeway
Kay Falls - Eagle River Bridge	3.3	8	95		4 lane widening
Eagle River - Camp Creek	3.8	8	100		4 lane widening
Griffin Lake - Three Valley Lake	8.0	6	96		4 lane widening
Clanwilliam - Pine Road (Helicopter Pad)	6.7	6	100		4 lane widening
Golden - Yoho Bridge	11.0	11	100		4 lane widening, study for tunnels
Westdowne Road - Ladysmith	6.4			90	4 lane design
Carmichael Road - Ladysmith	4.0		100	100	4 lane design
Stewart Avenue Curb and Gutter (Cypress Street - BC Ferry Terminal)	1.2		100	50	4 lane design
Highway 1 and 19 Intersection			100	99	Improvements to facilitate truck movements
Malahat km 30.8 to 33.5	2.7		100	10	4 lane plus left turn
HIGHWAY 1A					
Fraser Highway and 200th Street (Production Way to 200th Street)	.4		90		Left turn lane
Aldergrove 264th - 270th Curb and Gutter	1.0		100	100	4 lane widening and curb and gutter
HIGHWAY 3					
Hope - Princeton km 50 to km 55	5.0		100		4 lane widening
Hope - Princeton D.L. 980 to Princeton	5.6		100	100	Truck Lanes
Greenwood Curb and Gutter	.5		95		Urban beautification project
Erie Overhead Approaches	1.0		60		Relocation of highway and site plan for new overhead
Summit Creek Road Intersection	.5		100	90	Left turn slot
Jim Smith Lake Road - Cranbrook	2.5		100	90	4 lane design
Olson Railway Crossing, Fernie	2.0		75		Railway Grade Separation
Fernie Curb and Gutter	2.0		98		
HIGHWAY 3A					
Keremeos to Kaleden (D.L. 2303 to Kaleden Junction)	4.66		10		Slide area cross sections
Kootenay Bay Ferry Terminal (Ferry Landing to Fraser Rod. No. 112)	.5		75	90	Improvement of approach and enlargement of ferry landing storage

Name of Project	km	Percentage Complete			Comments
		Prelim. Study	Survey	Design	
HIGHWAY 3B					
Trail - Glenmerry	3.0		100	72	4 lane design
Upper Warfield Intersection	.5		55		Left turn slot
HIGHWAY 4					
Bridge Site Plans and Approaches	9.0				New bridges
TR 17			100	100	
Canoe Creek			100	50	
Hydro Hill West			100	100	
Hydro Hill East			100	99	
Indian Creek			100	100	
Ellis and Walley Creeks			100	20	
HIGHWAY 6					
27th Street to 32nd Avenue, Vernon	.8		100	98	4 lane curb and gutter design and structure over CNR
HIGHWAY 7					
Mary Hill Bypass, Ramps to Hwy. 1	.5		100	100	Connection to freeway
Cape Horn - Highway No. 7 at Pitt River, Lougheed - Mayfair	.5		100		Upgrade interchange
Albion to Whonnock	5.0		100	70	4 lane design
Haney - Silverdale, 227th - Albion (Haney Curb and Gutter)	.9		100	100	4 lane design
Wren Street to Hurd Road, Mission	1.6		100	100	4 lane design
HIGHWAY 7A					
Barnet Highway, D.L. 114 to St. Johns Street	4.4		100	50	4 lane design
HIGHWAY 10					
Cloverdale	4.8		75		East truck lane
HIGHWAY 11					
"C" Street to McLure via Beck	4.8		98	100	Phase 2, revision
HIGHWAY 14					
Sooke Road Passing Lanes (Dewdney Flats - Sec. 10)	2.5		100	50	4 lane design
Sooke Road Passing Lanes (Kangaroo Road - Connie Road)	2.0		100	87	4 lane design
Gillespie Road Intersection	0.5		100	100	Improvements
HIGHWAY 15					
O Avenue to 32nd Avenue	3.2		98	100	4 lane design

Name of Project	km	Percentage Complete			Comments
		Prelim. Study	Survey	Design	
HIGHWAY 16					
Prince George, Fraser River Crossing 1st Avenue to Airport Hill	3.5	92	100	95	New bridge crossing and 4 lane design to replace old railway bridge
South Hazelton, Kitsequecla Bridge to Carnaby Crossing	9.4		95	80	New 2 lane route replacement
D.L. 2106 to D.S. 338 West of Houston	2.5		95	30	4 lane curb and gutter
HIGHWAY 17					
Beacon Avenue Interchange	1.0	100	100	12	Replace intersection
McTavish Road Interchange			100		Replace intersection
Tsawwassen Causeway to 56th Street	5.6		10		Upgrade to 4 lane design
HIGHWAY 18A					
Cowichan Lake - South Shore Road	3.2		100	15	Realignment of centreline
HIGHWAY 19					
Bowen Road Intersection	1.0		100	100	Upgrade intersection
Parksville Curb and Gutter Finholm Street to Englishman River	4.1		100	72	4 lane urban reconstruction
Sunrise Drive Intersection (French Creek Area)	.5		100	80	Addition of 3rd lane
Little Qualicum River - Mistaken Road	1.2		100	99	Addition of 3rd lane
Willow Point Curb and Gutter	1.2		90	15	4 lane urban section
Duncan Bay - Menzies Bay	8.0		100	97	New Island Highway route study
Alger Road Intersection	.5		79		Upgrade intersection
Tuan Road Intersection	.7		97		Upgrade intersection
HIGHWAY 22					
Trail - Tadanac Relocation	2.4		100	85	4 lane design and culvert replacement
HIGHWAY 24					
Little Fort - Cariboo Highway (Little Fort to Lemieux Creek Road)	4.19		100	99	New bridge and connection to Highway 5
HIGHWAY 49					
Dawson Creek Curb and Gutter, 8th Street to City Boundary	1.2		95	20	Design for replacing storm main
HIGHWAY 97					
Kaleden Junction	1.4			99	Improve intersection and 4 lane design
Penticton - Trout Creek Eckhardt Bridge to Sta. 10+69	1.0		99	50	4 lane upgrading

Name of Project	km	Percentage Complete			Comments
		Prelim. Study	Survey	Design	
HIGHWAY 97 (continued)					
Penticton - Trout Creek Sta. 10+69 to Sta. 83+11	7.24		100	100	4 lane upgrading
Trout Creek to Summerland	8.0		98	42	4 lane upgrading
Westbank - Kelowna, Section 1, I.R. #9 and East Boundary Road	3.7		100	100	4 lane upgrading
Duck Lake to Woods Lake	6.4		100	80	4 lane curb and gutter
Mission Road - Bailey Road Oyama Road Intersection	2.0		85	37	Improve intersection and 4 lane design
32nd Street Extension, Vernon	3.6		10		4 lane design and flyover CPR
Mile 83 to 94 Mile House Section 2	5.9		99	30	4 lane upgrading to improve alignment
Mile 83 to 94 Mile House Section 3	6.1		95		4 lane upgrading to improve alignment
Red Rocky Creek to 42 Mile Creek	19.9		70	50	2 lane upgrade alignment
Hart Highway, Salmon Valley, BCR Overpass	2.4		90	20	Grade separation and alignment improvement
Hart Highway, Bear Lake to Red Rock Creek	13.9		100	95	Upgrade alignment
Hart Highway, Bennett Creek - Westpine River Bridge	19.0		90	10	2 lane upgrade alignment, avalanche avoidance
Hart Highway, West Pine Bridge - Mt. Lemoray	10.0		80	10	Upgrading 2 lane alignment
HIGHWAY 99					
Brohm Lake to Culliton Creek, Sta. 55+92 to Sta. 129+14	7.3		85	99	Upgrade 2 lane road
Culliton Creek to Cheakamus Canyon Sta. 129+14 to Sta. 188+85	5.3		85	70	Upgrade two lane road
Mamquam River Crossing	.5		33		New bridge approaches
Porteau Bluffs Alternatives		52	30		4 lane highway design
Horseshoe Bay - Pasco Road	3.6	10	15		4 lane highway design
Pasco Road - Montizambert Creek	2.5		100	1	4 lane highway design
Montizambert Creek - Newman Creek	2.5		100	10	4 lane highway design
Newman Creek - Kelvin Grove	1.7		100	10	4 lane design
Kelvin Grove - Rundle Creek and Alberta Creek - Magnesia Creek	2.55		100	35	4 lane design
Rundle Creek - Alberta Creek (Lions Bay)	0.65		100	100	Interchange at Harvey Creek Channel
"M" Creek - Kallahane Creek	8.0		38	5	Tunnel design study

Name of Project	km	Percentage Complete			Comments
		Prelim. Study	Survey	Design	
HIGHWAY 99 (continued)					
"M" Creek - Hallahane Creek Logger Creek Site Plan	8.0		100	80	Debris control study
Daisy Creek - Brittania Creek	2.7		95	50	
HIGHWAY 99A					
Pattullo Bridge - Whalley A.L.R.T., Pattullo Bridge to 128th Street	.5		99	20	Interchange with Scott Road to A.L.R.T. system and integrate with weigh scales
Pattullo Bridge - Whalley A.L.R.T., 128th Street to 104th Avenue			1		Redesign roadworks to integrate with A.L.R.T. system
Pattullo Bridge - Whalley A.L.R.T., 128th Street Intersection	.8		100	100	Redesign roadworks to integrate with A.L.R.T. system
HIGHWAY 101					
Langdale to Payne Road	6.1		100	75	New 4 lane route to bypass Gibson's Landing and ferry approaches
RICHMOND EAST/WEST FREEWAY					
Jacombs Road to Hamilton Interchange	9.4		100	100	New 4 lane freeway
Cambie Road Overpass	.85		100	30	New 4 lane freeway
Shell Road to Jacombs Road, Stage I	1.6		100	80	New 4 lane freeway
Shell Road to Jacombs Road, Stage II	4.5		100	90	New 4 lane freeway
COQUIHALLA HIGHWAY					
Pothole Lake to Pothole Creek	11.4	100	75	5	New 4 lane freeway
Pothole Lake to The Wart	8.0	100	100	10	New 4 lane freeway
The Wart to Johns Creek	11.0	100	60	3	New 4 lane freeway
Johns Creek to Powerline Crossing	10.0	100	15	3	New 4 lane freeway
Powerline Crossing to Brenda Mine	12.0	100	70	4	New 4 lane freeway
Brenda Mine to Silver Creek	12.0	100	65	11	New 4 lane freeway
Silver Creek to Cousins Road	11.0	100	90	7	New 4 lane freeway
Cousins Road to Gorman's Mill	4.0	100	100	98	New 4 lane freeway plus a trumpet interchange with Highway 97
Highway 5A Upgrading	25.0	22			Functional design
MISCELLANEOUS HIGHWAYS					
REGION 1					
Scott Road (Highway 10 to 84th Avenue)	4.2		100	100	4 lane curb and gutter
Scott Road, 96th Avenue to Old Yale Road	2.0		100		Widening to 4 and 5 lanes

Name of Project	km	Percentage Complete			Comments
		Prelim. Study	Survey	Design	
MISCELLANEOUS HIGHWAYS (continued)					
REGION 1 (continued)					
200th Street - Langley Highway 10 to Highway 1	5.6		100	20	Widening to 5 lanes
Boston Bar - North Bend Bridge			100	100	Site plan, approaches and retaining wall
Dollarton Highway McCartney Creek to Panorama Drive	6.0		95	40	Sections of curb and gutter
REGION 2					
Westside to Nahun, I.R. #10 to Wilson's Landing	19.1		81	5	Relocate 2 lane
Westside Road, Peachland - Vernon	93.0	75			Corridor study
South Thompson River Crossing, Chase Bridge at Pine Street	1.0		50	40	Site plan and approaches
Fraser River Crossing Churn Creek	2.8		100	38	Relocation of present bridge
REGION 3					
Wardner - Fort Steele Road, Wildhorse Creek Revision	0.8		80		Improve alignment of existing road
Athalmer - Highway 97 and 95	2.0		100	95	Bridge replacement on Columbia River and upgrade approaches
Morrissey Bridge Site Plan	.5		80		Site plan and approaches
Kettle River Bridge Site and Approaches (Spraggett Bridge) Grand Forks	1.0		100	50	Replace bridge
Salmo Curb and Gutter	0.5		100	100	4 lane curb and gutter
Atwood Bridge, Kettle River, Grand Forks	0.5		100	100	Site plan for new bridge
Pass Creek Road Bridge #8	.5		100	100	Culvert
Elkford and Fording Bridge Sites	.5		80		Site plan and approaches
Wardner - Fort Steele Road Bull River Bridge Approaches	1.0		70		Site plan and approaches
Kettle River Crossing at Rock Creek	.3		100		Site plan and approaches for new bridge
Rivervale Access	.5		100		Alternative level railway crossing for access to Rivervale
REGION 4					
Vanderhoof 4th Street to Stewart Street Boundary Avenue, Highway Overhead CNR	2.5		100	100	New alignment and CNR overhead
Nechako River Bridge Approaches, Vanderhoof - Burrard Loop Arterial	1.0		95	5	Replace existing bridge

Name of Project	km	Percentage Complete			Comments
		Prelim. Study	Survey	Design	
MISCELLANEOUS HIGHWAYS (continued)					
REGION 4 (continued)					
Heritage Highway, Arras to Tupper, Brassey Creek to Muskey Lake	24		40		Pave and upgrade gravel road
MacKenzie Avenue and Glendale Avenue, Comer Avenue to Weldwood Access - Williams Lake	3.1		98	30	4 lane curb and gutter
Clayhurst Bridge site	1.0		100	100	Approaches
Beatton River Crossing via St. John Creek	9.0		10		Route investigation to find new stable crossing
Appsasson Bridge, Road 101, Blueberry Road, St. John District	1.6		95	15	Approaches
REGION 5					
Cedar River to Tseax Junction, (Nass River) Section 2, Sand Lake to Lava Lake	15.0		50		Improve forest access road
Cedar River to Tseax Junction (Nass River) Section 3, Lave Lake to Tseax Junction	18.0		60		Improve forest access road
Nass River Bridge to Aiyanish Junction, Section 2	30.0		15		Establish road centreline
REGION 6					
Nanaimo Bypass (Line Revisions)	26.9	30	49		Mapping and survey for detailed design of route
Marble River Site Plan and Bridge Approaches (at existing crossing)	1.0		100		New bridge and relocated approach
Sacht's Bridge and approaches (Sayward - Kelsey Bay)	2.0		100	70	Bridge replacement
Bridge Site Plans, Western Mines Road, Thelwood, Henshaw and Lupin	1.5		100	75	Bridge replacements

Preliminary Study Section

Before design is undertaken, studies of possible and feasible routes are usually made. A necessary aid to the performance of these studies is aerial mapping at various scales obtained from aerial photographs. to this end sufficient photography was obtained to produce mapping on the following:

1. Merritt - Okanagan.
2. Quesnel Bypass.
3. Merritt - Kamloops.

Low order mapping was obtained on the following:

1. Merritt - Peachland Sections.

Highway order mapping extensions was obtained on the following:

1. Richmond East/West Freeway.
2. Nanaimo Bypass.

Preliminary studies are completed or continuing on:

1. Porteau Bluffs.
2. Nanaimo Bypass.
3. Sicamous - Revelstoke Sections.

Design completed or continuing on:

1. Richmond East/West Freeway.
2. Knight Street.
3. Highway 99 and East/West Interchange

Sound Control

In 1985/86 the Sound Control Studies Engineer was occupied primarily with Phase II of the Coquihalla Highway and the Annacis System. The Coquihalla work included several noise impact assessments at residential and recreational locations between Merritt and Kamloops and at two subdivisions in Kamloops. At Annacis, future traffic noise impact was evaluated for the 88th/84th Connector in Delta and the Hamilton area and Western Tennis Club in Richmond.

In addition to work on the two major projects, a computer model was developed to forecast the noise impact of the proposed Lonsdale Interchange in North Vancouver, and investigations of existing traffic noise situations were conducted at the Abbotsford Bypass, the North Star Interchange in Quesnel and Marine Way in Burnaby. A policy for the provision of sound attenuation facilities is being developed.

Computer Section

The Design and Surveys Branch continues to be a heavy computer user with all survey and design offices using computer terminals. All Branch field survey offices are using electronic survey instruments with electronic data collection with survey information being transferred to micro computers for processing. The Branch after a thorough evaluation has decided to evaluate a new software package "MOSS" as a survey tool and data base to its existing engineering programs. This software working with electronic survey instruments will increase productivity of survey crews by between 50% and 100% depending on the type of terrain being surveyed. The time to produce drawings of the surveyed information can be reduced from between one and three weeks to between one and three days. If satisfactory, this software will be phased into production over the next one to two years.

Consultants

This past fiscal year the Ministry requested consulting firms to carry out survey and/or design work on the following projects, many of which are still under way.

1. Highway 1 - Capilano - Lynn Valley -- 1.4 km of upgrading to freeway standard with construction of Lonsdale Interchange as Stage I.
2. Highway 1 - Cambie - Malakwa -- 5 km of widening to 4 lane.
3. Highway 1A - Aldergrove Curb and Gutter, Highway 13 to 270th Street urban widening to 5 lanes.
4. Highway 3 - Jim Smith Lake Road to Baker Street, Cranbrook -- 2.5 km of widening to 5 lane.
5. Highway 6 - 32nd Street to 27th Street, Vernon -- 0.8 km of urban 4 lane and structure over CNR.
6. Highway 7 - Haney Curb and Gutter -- 0.9 km of urban widening to 4 lane.
7. Highway 7 - Albion - Whonnock -- 5 km of widening to 4 lane.
8. Highway 7 - Wren Street to Hurd Road, Mission -- 1.5 km of widening to 4 lane.
9. Highway 97 - Duck Lake to Woods Lake, Winfield -- 6.4 km of widening to 4 lane.
10. Highway 97 - 32nd Street Extension, Vernon -- 3.6 km construction of 4 lane highway and flyover at Highway 97.
11. Highway 99A - Pattullo Bridge/King George Highway/Scott Road Interchange area -- upgrade from intersection to interchange arrangement and access to A.L.R.T.
12. Scott Road - 96th Avenue to Old Yale Road -- 2 km of widening to 4/5 lanes.
13. 200th Street, Langley - Highway 10 to Highway 1 -- 5.6 km of widening to 5 lanes.
14. Highway 101 - Gibsons Bypass, Langdale Ferry Terminal to Payne Road -- 6.1 km of new 4 lane construction.

15. Coquihalla, Phase III - Okanagan Connector

    (a) Pothole Lake to Pothole Creek -- 11.4 km of new 4 lane expressway.
    (b) Pothole Creek to The Wart -- 8.0 km of new 4 lane expressway.
    (c) The Wart to Johns Creek -- 11.0 km of new 4 lane expressway.
    (d) Johns Creek to Powerline Crossing -- 10 km of new 4 lane expressway.
    (e) Powerline Crossing to Brenda Mine -- 12 km of new 4 lane expressway.
    (f) Brenda Mine to Silver Creek -- 12 km of new 4 lane expressway.
    (g) Silver Creek to Cousins Road -- 11 km of new 4 lane expressway.
    (h) Cousins Road to Gorman's Mill - 2.4 km of new 4 lane expressway plus a trumpet interchange with Highway 97.

The functional design corridor study of the Okanagan Connector, a new four lane freeway from Highway 5A to Highway 97 near Peachland, is underway.

16. Squamish Highway Debris Control Projects

Design work continued on the control of debris torrents on the Squamish Highway 99. Debris control structures at Charles Creek, Harvey Creek and Magnesia Creek were completed and maintenance manuals for the use of the local highway district were prepared.

At Alberta Creek a design to divert it into Harvey Creek was not approved by the Provincial Water Comptroller. It was, therefore, necessary to find an alternative method of control. This required that future events would be allowed to sweep down the creek channel straight into the ocean at the base of the stream fan where sufficient excavation could be done at sea level to ensure that it did not pile up and affect adjacent property either by the debris itself or water from a diverted creek. Bridges crossing the channel have been redesigned to allow free passage of any debris torrents. This project has been approved. The B.C. Railway is also involved in constructing a new railway bridge.

A similar treatment has been applied to Newman Creek except that the creek itself has been realigned to fall more directly down the side of the fan thus avoiding a marina development previously affected by flooding and debris torrents. This required the construction of both a new highway bridge for four lanes and a new railway bridge.

17. Tunnel Investigations

Several sections of the main highway system remain substandard both in capacity and speed design caused by difficult terrain. On Highway 99 between Horseshoe Bay and Squamish, sections of existing highway cannot be upgraded to four lanes on an alignment suitable for travel speeds of 90 km/h because of the steep rock slopes. These slopes have been subjected to stress relaxation over geological time which causes rock falls of various magnitudes to occur and which make it difficult and possibly hazardous to form high cuts for road construction. Even the existing highway construction with minimum cutting is subject to such erosive events. In order to avoid these problems which, because of increasing traffic volumes will be a possible source of accidents and heavy maintenance costs, it is thought that the provision of tunnels might be a cost-effective solution, taking into account the possible maintenance cost savings, reduction in accident compensation costs and the intangible value of better service, convenience and safety to the travelling public.

Many combinations of two lane or four lane tunnels combined with sections of surface route have been investigated.

A similar problem is posed on the Trans-Canada Highway east of Golden in the Kicking Horse Pass between Golden and Yoho bridge. Two lane or four lane tunnel options are being investigated.

The cost of tunnel construction is high, about $15,000 per metre for two lane. This has to be compared with surface costs which usually are below $4,000 per metre. However, as noted above, where extreme difficulty is encountered with rock slopes, there may be no other choice available if speed standards are to be met.

Hydraulic Engineer

Hydraulic work on the Coquihalla Highway continued with Phase II between Merritt and Kamloops; studies included an investigation into the effects on the highway of a possible progressive collapse of the dams at the outlets of Surrey, Sussex and Helmer Lakes.

Work on the Annacis Freeway included analyses of a very steep large diameter storm sewer along the 88th Street Connector into North Delta and a review of water problems at the Richmond Nature Park due to reconstruction of the No. 5 Road and Highway 99 Interchange.

Hydraulic studies were carried out for two new bridges over the Fraser River, one at Airport Hill, Prince George and the other at Churn Creek near the Gang Ranch. For the Prince George Bridge, a consultant was commissioned to build a hydraulic model to demonstrate the feasibility of building a 100 m long bridge approach embankment out into the river and to investigate its effect on the river regime.

In addition, the Hydraulic Engineer held discussions with consultants and other government agencies concerning hydraulic aspects of various highway and bridge projects, provided assistance to Regional and District Highway officials on flooding and erosion problems and reviewed drainage works for subdivisions.

Environmental Section

Phase III of the Coquihalla project contributed to the majority of the environmental section's work load. Studies were undertaken through consultants along with a constant dialogue with government agencies, municipal governments, land owners and interest groups. Issues such as watershed protection, wildlife winter ranges, cattle movements, recreation and logging access had to be resolved in an integrated management framework. The speed of the project left many of these issues to be further studied and resolved in the design phase. The results will show an example of how multi-use integrated resource planning can benefit all users of the highway.

A three year post-construction monitoring program was developed between the Ministry, Department of Fisheries and Oceans, and Fish and Wildlife Branch of the Ministry of Environment following construction of the Coquihalla Highway Phase I. These comprehensive studies will demonstrate the degree of impact on salmonids of the highway and how, in particular, the mitigation and fish enhancement structures used were successful. Phase II studies and design were completed in 1985; although the second, and final year of the rebuilding of a cross-country ski area is continuing. The trails completed in the first years construction were well received by all skiers. Wildlife telemetry studies are continuing for one more year. Eleven moose, six deer and five bear have been tracked in the vicinity of the highway for two winters leading to understanding where the animals will cross the highway.

Annacis Crossing project monitoring program completed its second year. Two runs of salmon (pink and sockeye) were radio tagged and followed through the bridge area. In addition, velocity measurements and habitat creation sites were accessed on Patrick Island and on the main arm of the Fraser.

Many smaller projects were handled throughout the year through the referral process. Archaeological and heritage studies were carried out throughout the province in relation to all highway projects.

Reporting and mitigation strategies were improved in relation to wildlife/vehicle collisions, and more deer fencing and wildlife reflectors were installed after the success of reducing collisions by 60% on the test sections in Grand Forks and Kimberley.

REPORT OF THE DIRECTOR OF GEOTECHNICAL AND MATERIALS ENGINEERING

L. deBoer, P. Eng.

The number of requests for geotechnical and materials engineering services were higher this year than ever before. Despite this, the Branch operated within its basic allotment of 201 full time equivalents and no changes were made to office and laboratory facilities. In part, because of these restraints, it was difficult to satisfy the high demand for services. While Consultant firms have been able to assist with several investigations, the nature of many service requests to the Branch makes contracting out impractical.

Investigations, designs and inspections for the Fraser River crossing at Annacis, the Richmond East-West freeway and for the various parts of the Coquihalla highway accounted for a considerable proportion of the total work load.

Geotechnical Highway Design Investigations

With construction of the Annacis-Fraser River Crossing, Richmond East-West Freeway and ancillary projects, specialized ground treatment designs were continuously called for. Lightweight fill designs and substantial use of sub-excavation were proposed for areas of the Richmond East-West Freeway and Highway 10 to Highway 99. Vibro-replacement, a process by which soil is densified through use of a vibrating probe and the void created filled with aggregate and rock, was used in several locations to ensure that critical foundation areas are safe from total failure due to earthquakes.

Geotechnical designs by consultants were reviewed on all three phases of the Coquihalla Highway (Hope to Merritt, Merritt to Kamloops and Merritt to Peachland). Geotechnical investigations were also initiated for the construction and design projects being carried out for the Osoyoos to Sicamous - Highway 97 upgrading. Of particular interest was the design of an experimental embankment on very soft Okanagan Lake bottom sediments north of Penticton near Kickininee Provincial Park. This testfill involved construction of a shotrock berm within the lake and the infilling of the artificially created embankment with fine, glaciolacustrine silts. A surcharge has been placed to accelerate anticipated consolidation and monitoring of in-place instrumentation is being carried out. This design, if successful, could be applied at several locations along Okanagan Lake where four-laning is required using the locally available silt soils.

Assessment of several alternative crossings of the Beatton River was initiated and wick drain installation for realignment of Highway 97 north of Bear Lake was continued in 1985. In total there were 112 highway design projects undertaken.

Foundation Investigation and Design

Foundation designs for structures along the Richmond East-West Freeway, Queensborough Connector and Highway 10 to Mud Bay comprised a large proportion of this years workload. Lightweight fill designs using polystyrene blocks and encapsulated hogfuel overlain with sand were incorporated at several approaches to overpasses and bridges. Densification by vibroreplacement was also used extensively at over/underpass locations along the Richmond East-West Connector. Concrete columns were cast in place to a depth of 15 m at the south approach to Queensborough Bridge to support the new abutment fill.

There were 29 small bridge foundation investigations carried out in Region 3 (Nelson) as well as several bridge sites on Highway 99 - Horseshoe Bay to Squamish, Highway 1 - Vancouver to Hope and Highway 16 at Vanderhoof.

There is an increasing trend towards bridge piers with pier supports consisting of a single row of high load bearing piles, rather than mass concrete piers on a large pile group. A single row or piles is subject to considerable horizontal forces. A computer software program for solving the deflections and bending moments of a pile from lateral loading was obtained and implemented to improve the prediction of horizontal load capacity of a pile or pile group.

Stability Investigations

Investigation and remedial design for stability problems this year concentrated mainly on slides in existing soil and rock cut slopes, failure of existing roadfills and monitoring of large slow-moving earth and rock slides. Of note were failures on Highway 24 west of Little Fort, Road 103 near the Beatton River crossing east of Fort St. John and the Barnet Highway west of Port Moody; all required extensive repairs costing in the hundreds of thousands of dollars.

Monitoring continued at the Attachie Slide on the Peace River where Fort St. John district survey crews provide weekly data for analysis. A total of 42 sites are currently being monitored for slope instability problems. Helicopter reconnaissance was continued for inventory of debris torrent susceptible creeks along Howe Sound. In addition, the joint Ministry of Transportation and Highways, and Ministry of Forests task force completed its study on the potential impacts of logging on slope and stream stability in the Boston Bar Creek valley.

Aggregate Investigations

Aggregate investigations for the Coquihalla Project (3 phases) and four-laning from Osoyoos to Sicamous created the greatest demand for Branch resources. An overall increase in the number of project requests were received as aggregate resources become scarcer and proper use of existing pits becomes more important. To this end, the Branch is emphasizing gravel pit management programs throughout the province and is preparing development plans for all new pits as well as improving inventories of all existing resource sources. This information bears directly on optimizing use of this scarce resource and on the smooth administration of aggregate crushing contracts.

To provide a service to contractors and to ensure proper pit use, Region 6 (Nanaimo) has arranged additional procedures so that, prior to awarding crushing contracts, contractors are invited to pre-tender meetings where pit characteristics are presented.

Pavement Evaluation

During the summer of 1985 the Roads and Transportation Association of Canada (R.T.A.C.) undertook a test program to study pavement response to heavy vehicles. This study was administered by the Alberta Research Council and involved the installation of instrumentation for reading pavement strains and deflections under moving wheel loads in various pavement structures across Canada. Three test sites in British Columbia were chosen, two in Pine Pass on Highway 97 and one south-west of McBride on Highway 16. All three sites are located within recently completed paving projects in which a relatively new open-graded pavement design was adopted.

Pavement designs for Phase II of the Coquihalla Project are essentially complete. Special pavement design studies for upgrading of portions of Highway 37 were undertaken in response to Gulf Canada's potential development of Klappan Coal in the northwest area of the province. Routine pavement design was let out to consultants in Region 1 (Burnaby) in response to the heavy workload of that regional office. Annual strength loss factors continued to be gathered by periodic measurements on 195 spring control sections throughout the province.

Quality Control and Materials Testing

In addition to routine testing for gravel and soils for classification and other properties, quality control and materials inspection continued on a wide variety of manufactured projects. Concrete testing and inspection on no-post guardrail production was a major issue in Regions 1, 2, 3 and 6, and in Region 1 (Burnaby), four consulting firms are being used to maintain the testing and quality control program. In addition, concrete inspections on a number of bridge decks took place including several projects along the Coquihalla Highway Project and the Highway 99 (Horseshoe Bay to Squamish) upgrading project.

Work continued on such projects as antifreeze corrosion, cost-effective snow-plowable road reflectors and silane treated glass bead for roadway paints. In addition, evaluation of new products has become increasingly important as the number of chemicals being marketed to solve specific problems continues to increase. Such products of interest to the Ministry have included a variety of sealers and membranes used primarily for bridge decks, and new additives or binders for cement concrete and pavements. Branch personnel developed, and transferred patent rights to the Ministry for a new road surface binder material consisting of an economic mix of lignosulfonate and asphalt emulsion.

Geotechnical Operations

Drilling Operations

a) The Drilling section completed 5,574 m of drilling, soil sampling, coring and instrumentation installation on 63 projects and installed 1,271 m of horizontal drains on four stabilization projects. Nearly half of the vertical drilling occurred in Region 1 (Burnaby) where 2,252 m of drilling was completed on 28 projects.

b) Seismic refraction, electromagnetic conductivity, electrical resistivity and insitu-testing using the truck mounted cone penetrometer were used to maintain the high number of investigations requested of this group. Electrical sounding has proven to be a particularly useful technique in aggregate investigations.

A total of 9,040 m of cone penetrometer data was collected in 1985/86 largely for the Annacis Project where this information was used extensively for foundation design for quality control on vibro-replacement contracts. Blast vibration monitoring continued to be used extensively on Coquihalla construction projects, providing safe guidelines for, and monitoring of, blasts in proximity to pipelines and other structures.

c) Scaling of hazardous rock cuts continued throughout the Province. Work was mainly concentrated on unstable rock bluffs in the following areas:

Highway 3 - Salmo to Creston and Cascade to Paulson Bridge
Highway 3A - Kootenay Bay Ferry to Creston
Highway 97 - Penticton to Vernon, and,
Highway 1 - Boston Bar to Spences Bridge.

A 1.7 million dollar rock stabilization program was established this year and to date 16 contracts were awarded. In addition, two contractors worked on Highway 99 on an emergency basis. Unfavorable weather conditions in late October and early November triggered several rock slides along Highway 99 between Vancouver and Squamish.

Special Projects

Special Projects group continued to be involved in a number (50) of test and development projects. Such programs included subject areas such as:

1. Strength, strain, permeability and fatigue testing on several base course and surfacing types in conjunction with a review of pavement structure design methods for a variety of load applications and subgrade conditions.
2. Testing of a special stabilizer for dirty aggregates and sand which makes frost heave susceptible materials more suitable for road construction.
3. Development of compact temperature readout units such as those currently being analyzed at the Attachie Slide site.
4. Analyzing bridge deck sealants and application properties eg. for the Annacis Swing Span, Coquihalla bridges etc.

GEOTECHNICAL HIGHWAY DESIGN INVESTIGATIONS

Name of Project	Location	Type of Investigation
Golden - Yoho	Highway 1	Geotechnical Investigation
Richmond E-W Freeway	Richmond	Soil survey and foundation design
Highway 99 Interchange	Annacis	Soil survey
Knight St. Interchange	Annacis	Soil survey
Coquihalla	Coquihalla Highway	Geotechnical Investigation
M Creek to Kallahne Creek	Highway 99	Geotechnical Investigation
Porteau Bluffs	Highway 99	Geotechnical Investigation
Shuswap Road	Kamloops District	Soil Survey
Carbeau Hill	Highway 5	Subsurface investigation and fill design
Trout Creek - Summerland	Highway 97	Soil survey and foundation design
Trout Creek - Penticton	Highway 97	Soil survey and foundation design
Pass Creek Road	Nelson District	Soil Survey
Fernie Ski Hill Road	Highway 79	Soil Survey
Morrissey Road	Highway 32	Soil Survey
10 Mile Hill	Highway 1	Soil Survey
Athalmer Approach	Golden District	Subsurface investigation and fill design
Hedley's Road	Golden District	Soil Survey
Leadville Bridge	Creston District	Soil survey and foundation design
Redrocky - Mile 42	Highway 97	Soil survey and foundation design
Nechako Hill Off-ramp	Highway 16	Subsurface investigation and fill design
Quesnel By-pass	Highway 97	Geotechnical Investigation
Kathleen Creek - W. Pine	Highway 97	Soil Survey
Clarke Lk. Rd. Realignment	Fort St. John Dist.	Soil survey and foundation design
Clarke Lk. Rd.-B.C.R. Cross.	Fort St. John Dist.	Soil survey and foundation design
Apsasson Bridge Approaches	Fort St. John Dist.	Subsurface investigation and fill design
Clayhurst Hill Realignment	Fort St. John Dist.	Geotechnical Investigation
Carnaby Realignment	Highway 16	Geotechnical Investigation
Great Horn Creek Access	Smithers District	Soil Survey
Eddontenajon Reconstruc.	Dease Lake District	Soil survey and foundation design
Cedar River to Sande Lake	Terrace North	Soil Survey
South Shore Road	Highway 16A	Soil survey and foundation design
Sooke Road	Highway 14	Soil survey and foundation design
Sumas River - Vedder Canal	Chilliwack District	Highway Pavement Design
Sumas Overpass	Highway 1	Highway Pavement Design
Cedar Creek - Allison Pass	Highway 3	Highway Pavement Design
Hope Drainage C + G	Highway 1	Highway Pavement Design
Lake of the Woods	Highway 1	Highway Pavement Design
Copper Creek Hill	Highway 3	Highway Pavement Design
American Creek - Gordon Creek	Highway 1	Highway Pavement Design
Nicolum - Peers	Coquihalla	Highway Pavement Design
Floods - Hope	Coquihalla	Highway Pavement Design
Sumas Mtn. Rd. - Whatcom	Chilliwack District	Highway Pavement Design
16th Ave. - 32nd Ave.	Highway 15	Highway Pavement Design
Town of Hope	Highway 1	Highway Pavement Design
Greenwood Drive, Hope	Chilliwack District	Soil survey and foundation design
Atkinson to Marion	Highway 1	Soil survey and foundation design
Abbotsford By-pass	Chilliwack District	Soil survey and foundation design
Boston Bar Bridge Approach	Chilliwack District	Subsurface investigation and fill design
Squakum Creek Br. #2	Chilliwack District	Subsurface investigation and fill design
King George Hwy. @ 128 St.	New Westminster Dist.	Highway Pavement Design
Mary-Hill Bypass	Highway 7	Highway Pavement Design
Gulf Plant - St. Johns	New Westminster Dist.	Highway Pavement Design
96 Ave. - 88 Ave.	Highway 15	Highway Pavement Design
Glover Road - 264th Street	Highway 1	Highway Pavement Design
152nd - 160th	Highway 1	Highway Pavement Design
Marine Way	New Westminster Dist.	Highway Pavement Design
20th Street	New Westminster Dist.	Highway Pavement Design
Tsawassen to 56th	Highway 17	Highway Pavement Design
Port Moody EW Connector	New Westminster Dist.	Soil Survey
Pasco Rd. - Montizambert Cr.	Highway 99	Geotechnical Investigation
Newman Creek Diversion	Highway 99	Geotechnical Investigation
Newman Crk. - Lonetree Crk.	Highway 99	Geotechnical Investigation
Dollarton Hwy. - Ellis Rd.	Highway 911	Geotechnical Investigation
19 Mile Crk. to Pemberton	Highway 99	Highway Pavement Design
Mamquam Br. - Alice Lk. Jct.	Highway 99	Highway Pavement Design
Langdale - Park Rd.	Gibsons District	Highway Pavement Design

GEOTECHNICAL HIGHWAY DESIGN INVESTIGATIONS (continued)

Name of Project	Location	Type of Investigation
Salmon Valley Rd.	Salmon Arm District	Highway Pavement Design
Winfield Curb and Gutter	Kelowna District	Highway Pavement Design
Harvey Avenue	Kelowna District	Highway Pavement Design
Merritt - Peachland	Coquihalla Phase 3	Highway Pavement Design
Keremeos - Nighthawk	Penticton District	Highway Pavement Design
Skaha Lake Road	Penticton District	Highway Pavement Design
Keremeos - Yellow Lake	Penticton District	Highway Pavement Design
83-94 Mile	100 Mile House	Highway Pavement Design
Salmo C + G	Highway 6	Highway Pavement Design
Rossland C + G	Highway 3B	Highway Pavement Design
Genelle 12th Ave.	Rossland District	Highway Pavement Design
Casino Road	Rossland District	Highway Pavement Design
Drake Road	Rossland District	Highway Pavement Design
Greenwood C + G	Grand Forks District	Highway Pavement Design
Cranbrook C + G	Highway 95	Highway Pavement Design
Fording Mine Road	Fernie District	Highway Pavement Design
Hosmer/Alberta Border	Highway 3	Highway Pavement Design
Tolby Creek Road	Highway 4	Highway Pavement Design
Invermere - Dutch Creek	Highway 91	Highway Pavement Design
Castledale - Edgewater	Golden District	Highway Pavement Design
Galena - Trout Lake	Highway 31	Highway Pavement Design
Driscoll - Dome Creek	Highway 16	Highway Pavement Design
Marg. - Mtn. House	Highway 97	Geotechnical Pavement Design
Westpine - Willowflats	Highway 97	Geotechnical Pavement Design
Kathleen Creek - W. Pine	Highway 97	Geotechnical Pavement Design
Dawson Creek C + G	Dawson Creek District	Geotechnical Pavement Design
Meldrum - Riske Creek	Williams Lake Dist.	Geotechnical Pavement Design
Bella Coola	Williams Lake Dist.	Geotechnical Pavement Design
Green R. to Rainbow Summit	Highway 16	Geotechnical Pavement Design
Tow Hill Rd.	Prince Rupert Dist.	Geotechnical Pavement Design
Future Seal Coating	Burns Lake District	Geotechnical Pavement Design
Burns Lake Side Roads	Burns Lake District	Geotechnical Pavement Design
Mudflat O/H to Moricetown	Highway 16	Geotechnical Pavement Design
Boulder W. To Hazelton	Highway 16	Geotechnical Pavement Design
Iskut - Morcheau	Highway 37	Geotechnical Pavement Design
Algar Creek - Devils	Highway 37	Geotechnical Pavement Design
Dease Lake - 9 Mile	Highway 37	Geotechnical Pavement Design
Gnat Pass - Stikine	Highway 37	Geotechnical Pavement Design
Nass Road Lava Beds	Terrace District	Geotechnical Pavement Design
Copper 2 - Little Oliver	Terrace District	Geotechnical Pavement Design
Eve River - Tsitika R.	Highway 19	Geotechnical Pavement Design
Sprout Falls - Taylor R.	Highway 4	Geotechnical Pavement Design
Saltspring Is. Village Roads	Saanich District	Geotechnical Pavement Design
Galiano Island Paving	Saanich District	Geotechnical Pavement Design

Total No. of Projects - 112

FOUNDATION INVESTIGATION DESIGN

Name of Project	Location	Type of Investigation
Cambie/Knight O/P	Annacis	Foundation Investigation and Design
No. 7 Road Underpass	Richmond E/W	Foundation Investigation and Design
Knight St. Overpass	Richmond E/W	Foundation Investigation and Design
No. 6 Road Underpass	Richmond E/W	Foundation Investigation and Design
Anik Overhead	Richmond E/W	Foundation Investigation and Design
No. 8 Road Underpass	Richmond E/W	Foundation Investigation and Design
Garneau Flyover	Richmond E/W	Foundation Investigation and Design
New Westminster U/P	Richmond E/W	Foundation Investigation and Design
Sumas Canal Bridge	Highway 1	Foundation Investigation and Design
Sumas Road Underpass	Highway 1	Foundation Investigation and Design
Barrowtown (No. 1) U/P	Highway 1	Foundation Investigation and Design
Annis Road Interchange	Highway 1	Foundation Investigation and Design
Airport Hill Bridge	Highway 16	Foundation Investigation and Design
Hunter Creek Overpass	Highway 1	Foundation Investigation and Design
Vanderhoof East Overpass	Highway 1	Foundation Investigation and Design
Alouette Flyover	Richmond E/W	Foundation Investigation and Design
Lonsdale Interchange	Highway 1	Foundation Investigation and Design
Pleasant/Valley		Foundation Investigation and Design
Alderbridge Way Overpass		Foundation Investigation and Design
No. 5 Road Overpass	Richmond E/W	Foundation Investigation and Design
Apsasson Bridge		Foundation Investigation and Design
Vedder Canal Bridge	Chilliwack District	Foundation Investigation and Design
Vedder II	Chilliwack District	Foundation Investigation and Design
Atwood Bridge		Foundation Investigation and Design
Thompson Road		Foundation Investigation and Design
B.C.R. O/H at Mud Bay	Annacis	Foundation Investigation and Design
No. 5 Road Underpass	Richmond-E-W	Foundation Investigation and Design
Richmond Flyover	Richmond E-W	Foundation Investigation and Design
Mud Bay Overpass	Annacis	Foundation Investigation and Design
Salmon Valley Bridge	Salmon Arm District	Foundation Investigation and Design
Winlaw Bridge		Foundation Investigation and Design
Sicamous Narrows Bridge	Salmon Arm District	Foundation Investigation and Design
Angusmac Creek Bridge	Prince George District	Foundation Investigation and Design
Red Bridge	N. Vancouver District	Foundation Investigation and Design
No. 1 Road - T.C.H.	Highway 1	Foundation Investigation and Design
Bonaparte No. 4		Foundation Investigation and Design
Jim Creek		Foundation Investigation and Design
Sellars Creek		Foundation Investigation and Design
Ralph River Bridge		Foundation Investigation and Design
Henshaw Bridge		Foundation Investigation and Design
Thelwood Bridge		Foundation Investigation and Design
Sachts Bridge		Foundation Investigation and Design
Hammond Bridge		Foundation Investigation and Design
1 Mile Creek		Foundation Investigation and Design
Fraser River Bridge	Prince George Dist.	Foundation Investigation and Design
Mud Bay Interchange	Annacis	Foundation Investigation and Design
B.C.R. Overpass	Annacis	Foundation Investigation and Design
Lone Tree Bridge	Highway 99	Foundation Investigation and Design
Churn Creek Bridge		Foundation Investigation and Design
Barriere R.E. Bridge	Kamloops District	Foundation Investigation
Cahilty Bridge	Kamloops District	Foundation Investigation
Beaton Slide	Kamloops District	Foundation Investigation
Kingfisher Bridge	Salmon Arm District	Foundation Investigation
Bear Creek Bridge	Kelowna District	Foundation Investigation
Douglas Lake Road		Foundation Investigation
Goose Creek Multiplate	Nelson District	Foundation Investigation
Silverking #6226	Nelson District	Foundation Investigation
Slocan City B. #188	Nelson District	Foundation Investigation
Wildhorse #976	Nelson District	Foundation Investigation
Winlaw #691	Nelson District	Foundation Investigation
EXPO Display Nelson	Nelson District	Foundation Investigation
Erindale Bridge	Nelson District	Foundation Investigation
Beaver Creek #2	Rossland District	Foundation Investigation
Beaver Creek #8	Rossland District	Foundation Investigation
Shukin Bridge	Rossland District	Foundation Investigation
Atwood #1234	Grand Forks District	Foundation Investigation
Spraggett Bridge	Grand Forks District	Foundation Investigation

FOUNDATION INVESTIGATION DESIGN (continued)

Name of Project	Location	Type of Investigation
Davis Creek #1410	New Denver District	Foundation Investigation
Lost Ledge #6425	New Denver District	Foundation Investigation
Cooper Creek #6424	New Denver District	Foundation Investigation
Stoney Creek #8175	New Denver District	Foundation Investigation
Skookamchuk #640	Cranbrook District	Foundation Investigation
Peavine #6349	Cranbrook District	Foundation Investigation
Gold Creek #6348	Cranbrook District	Foundation Investigation
Gold Creek/McConnel #6347	Cranbrook District	Foundation Investigation
Gold Creek/Fees #6346	Cranbrook District	Foundation Investigation
Athalmer #517	Golden District	Foundation Investigation and Design
Spillimacheen Swing 26	Golden District	Foundation Investigation
Toby #29	Golden District	Foundation Investigation
Panorama #7756	Golden District	Foundation Investigation
Greely	Revelstoke District	Foundation Investigation
Greely/Illicilliwaet	Revelstoke District	Foundation Investigation
Hill Creek #6752	Revelstoke District	Foundation Investigation
Bear Lake - Bedrock	Highway 97	Foundation Investigation
Redrocky - Mile 42	Highway 97	Foundation Investigation
Clayhurst Bridge	Dawson Creek District	Foundation Investigation and Design
Dore River Bridge	McBride District	Foundation Investigation and Design
Pioneer Road - D.L. 358	Highway 16	Foundation Investigation
Tattlerose Culvert Bed	Burns Lake District	Foundation Investigation
Brewer Canyon Bridge	Burns Lake District	Foundation Investigation
Ramsay Creek Culvert	Burns Lake District	Foundation Investigation
Goat Horn Creek Bridge	Smithers District	Foundation Investigation
Minette Bay Bridge	Terrace District	Foundation Investigation
Kelvin Grove - Magnesia Crk.	Highway 99	Foundation Investigation
Roberts Bridge	Gibsons District	Foundation Investigation
Haldi Island Bridge	Highway 914	Foundation Investigation
Weaver Creek Bridge	Chilliwack District	Foundation Investigation
Caroline Mines Salt Shed	Chilliwack District	Foundation Investigation

Total No. of Projects - 99

STABILITY INVESTIGATIONS

Name of Project	Location	Type of Investigation
Albion Slide		Fill Foundation Instability
Attachie Slide	Fort St. John District	Slide Monitoring
Howe Sound Debris Torrents	Highway 99	Creek Stabilization-Debris Torrents
Coquihalla Forestry Task Group	Coquihalla	Creek Stabilization-Debris Torrents
Lonetree Creek	Highway 99	Creek Stabilization-Debris Torrents
Starfish Road Erosion	Gibsons District	Fill Slope Instability
Shylock to Portia	Coquihalla	Slope Stabilization
Ladner Creek to Shylock	Coquihalla	Slope Stabilization
Abbotsford Bypass Wickening	Highway 11	Fill Instability
Highway 541 Interchange	Highway 1	Fill Foundation Instability
Mara Lake	Highway 97A	Slide Monitoring
T.C.H. #1 - Peachy Hill	Highway 1	Cutalope Instability
Mabel Lake Road	Vernon District	Fill Foundation Instability
Tamarack Park	Kelowna District	Slide Monitoring
Slide Hwy. 33	Highway 33	Fill Instability
Stirling Creek	Penticton District	Soil Slope Instability
Princeton Rocks	Penticton District	Rock Slope Instability
Coq. C-2934	Merritt District	Fill Foundation Instability
Pavilion Overhead	Lillooet District	Foundation Instability
Station Hill	Lillooet District	Slide Monitoring
Canim-Hendrix Lk. Rd.	100 Mile House District	Fill Foundation Instability
Beasley Fill Failure	Highway 3	Fill Foundation Instability
Nelson Remoc Slide	Nelson District	Slide Monitoring
Halajon Slide	Highway 23	Soil/Rock Slope Instability
Fernie Ski Hill	Highway 3	Slide Monitoring
Elkford/Sparwood Int.	Highway 4	Slide Monitoring
Elko Tunnel & Rockcuts	Highway 3	Rock Slope Instability
Toby Crk. Pavement Failure	Golden District	Fill Foundation Instability
#1 Donald Bridge	Golden District	Slide Monitoring
Nechako Hill	Highway 97	Cutslope Instability
km 97.5 Slide	Highway 16E	Soil Slope Instability
Airport Hill	Highway 16E	Soil Slope Instability
Bear Lake Swamp	Highway 97	Fill Foundation Instability
Cottonwood Slide	Highway 26	Slope Stabilization
Cottonwood Slide E.	Highway 26	Slope Stabilization
A + W Slide	Highway 97	Slide Monitoring
Hixon Hill Slide	Highway 97	Slide Monitoring
Quesnel Bypass	Highway 97	Fill Foundation Instability
10 Mile Lk. Rd. Slide	Quesnel District	Soil Slope Instability
Garner Road Slide	Quesnel District	Soil Slope Instability
Peace River Hill	Highway 97	Soil/Rock Slope Instability
East Pine Hill	Highway 97	Slide Monitoring
No Name Crk. Slide	Highway 29	Slide Monitoring
Mile 26 Slide	Highway 29	Slope Stabilization
Fish Creek Hill	Fort St. John District	Soil Slope Instability
Beatton River Hill	Fort St. John District	Slide monitoring
Mile 20 Slide	Highway 29	Soil Slope Instability
Fort Nelson River Bridge	Fort St. John District	Slide Monitoring
Fish Creek	Fort St. John District	Slide Monitoring
Watson Hill	Highway 29	Slide Monitoring
Beatton R. Hill Relocation	Fort St. John District	Stability Investigation
Apsasson Bridge	Fort St. John District	Slide Monitoring
Bogg Creek Crossing	Fort St. John District	Fill Foundation Instability
Montrey Hill	Fort St. John District	Soil Slide Instability
Vanderhoof West Bridge	Highway 97	Slide Monitoring
Dunster Road Slide	McBride District	Soil Slope Instability
West Tuin Bridge	McBride District	Slide Monitoring
C.N.R. Berm Eddy Rd.	McBride District	Fill Slope Instability
North Bank Slide	Highway 35	Fill Foundation Instability
Silverthorn Slide	Highway 16	Fill Foundation Instability
Steamboat Point Failure	Highway 16	Slide Monitoring
Telkwa Slide	Highway 16	Slide Monitoring
Cranberry Failures - #1723	Highway 37	Slope Stabilization
Sawmill Point	Highway 37	Fill Foundation Instability
Kiniskan Slope Stability	Dease Lake District	Cutalope Instability
Tenajon 85 Slide	Dease Lake District	Cutslope Instability
Pit #1 Hill	Terrace District	Soil Slope Instability

STABILITY INVESTIGATIONS (continued)

Name of Project	Location	Type of Investigation
New Maroon Slide	Terrace District	Soil Slope Instability
Salmo–Creston	Highway 3	Rock Slope Stabilization
Cascade – Paulson Bridge	Highway 3	Rock Slope Stabilization
Kootenay Bay Ferry – Creston	Highway 3A	Rock Slope Stabilization
Penticton – Cache Creek	Highway 97	Rock Slope Stabilization
Boston Bar – Spences Bridge	Highway 1	Rock Slope Stabilization
Squamish Highway	Highway 99	Rock Slope Stabilization
Loggers Creek	Highway 99	Emergency Rock Slope Stabilization
Charles Creek	Highway 99	Emergency Rock Slope Stabilization
Charles Creek 2	Highway 99	Emergency Rock Slope Stabilization
Three Valley Gap	Highway 1	Emergency Rock Slope Stabilization

Miscellaneous Projects – 16
Total No. of Projects – 95

AGGREGATE INVESTIGATIONS

Investigation Group	Gravel Pits	Quarries	Area Studies	Total Projects
Region 1	42	–	–	10
Region 2	39	7	6	55
Region 3	42	–	2	44
Region 4	132	4	–	136
Region 5	28	1	–	29
Region 6	8	–	–	8
Terrain Eval.–Hdqts.	–	–	10	10
TOTALS	291	12	18	311

PAVEMENT EVALUATION

Investigation Group	No. of Designs	Control Sections	Tests/ Year
Region 1	27	25	6
Region 2	9	26	8
Region 3	14	23	14
Region 4	7	34	11
Region 5	12	56	4
Region 6	6	31	5
TOTALS	75	195	48

GEOTECHNICAL OPERATIONS

			Regions				
Drilling Section:	**1**	**2**	**3**	**4**	**5**	**6**	**Totals**
No. of Projects	28	11	8	2	8	6	63
Diamond Holes (m)	2252	1375	910	573	350	111	1372 (263)
Horizontal Drain Sites	3		1				5574
Drains (m)	838		1				1271
Piezometers	19	17	12				48
Slope Indicators	6	9	1	1			17
Deep Settlement Plates		3					3
Swedish Vane Shear (m)							

(Work Performed by Contractor)

			Regions				
Geophysical Section:	**1**	**2**	**3**	**4**	**5**	**6**	**Totals**
No. of Projects	53	47	7	18	5	1	131
No. of Seismic Surveys	9	5	1	1	3		17
Distance of Survey (km)	6.5	1	1.2	.3	1.3		10.3
No. of Seismic Lines	132	14	16	6	23		191
Electromagnetic Surveys	14	31	5	17	2	1	70
Distance of Survey (km)	79	147	2.5	117	20	7	372.5
Electrical Soundings	88	102	20	61	33	7	311
Blast Monitoring Project	13	10	1				24
Cone Penetration Project	105	1					106
Cone Test Depths (m)	9040	133					9173
Insitu Testing Projects	3						3

			Regions				
Rockwork Section:	**1**	**2**	**3**	**4**	**5**	**6**	**Totals**
Scaling Man-Days	59 (349)	183 (290)	217.5 (158.756)	6 (31.25)	23.5 (45)	51	499 (925)
Rock Removed (m^3)	124 (24)	661 (2465)	1357 (696)	70 (45)	230	50	2442 (5721)
Drill. and Blast (m^3)	1900 (11331)	25 (26105)	190 (4252)	(1273)	300 (600)	924	2415 (44485)
Rock Bolts (m)	37 (1801)	(789)		(36)	(137)		37 2763
Slope Mesh (m^2)	72 (4391)	(5700)			(2000)		72 (12291)
Slopes Monitored	8	2	1				11

(Work Performed by Contractors)

REPORT OF THE DIRECTOR OF BRIDGE ENGINEERING

L.C. Johnson, P. Eng.

Fiscal 1985/86 was an extremely busy year with Branch expenditures reaching an all time high of about 184 million dollars.

The Branch's design program was varied and extensive with many designs on a high priority. As most of the program could be carried out in-house, there was little demand for consultants.

The Branch's construction program centered on the two major projects - Annacis Island Complex and the Coquihalla Highway. At year-end all unfinished bridges associated with the projects were being rushed to completion in anticipation of an early opening.

Bridge construction costs remained low as keen competition continued to prevail for bridge work.

In retrospect, 1985/86 will be looked on with a great deal of satisfaction by a staff that worked hard and well.

Reports of the divisions within the Branch follow.

BRIDGE DESIGN

Bridge design during the year continued to concentrate on the Annacis System and Phase II of the Coquihalla Highway. The major designs in progress and completed during the year are listed below:

	Design By *	Design In Progress	Design Completed	Tenders Called
ANNACIS COMPLEX				
Boundary Road Underpass	M		X	X
Highway 10 Underpass	C		X	X
Highway 10 BNR Overhead	C		X	X
Highway 10 Access Ramp	C		X	X
Watershed Park Overpass	C		X	X
Jacombs Road Underpass	M		X	X
Mud Bay Underpass	C		X	X
Mud Bay B.C.R. Overhead	C		X	X
Thompson Rd. Ped. Overpass	M		X	X
Alderbridge Way Overpass	C	X		
Allouette Flyover	C	X		
No. 5 Road Underpass	C	X		
Isis Flyover	C	X		
Hermes Overpass	C	X		
Knight Street Overpass	M	X		
Garneau Flyover	M		X	X
Cambie/Knight Overpass	M	X		
No. 6 Road Overpass	M	X		
No. 7 Road Underpass	M	X		
No. 8 Road Underpass	M	X		
Richmond Flyover	C	X		
Anik Overhead	M	X		
No. 5 Road Overpass	M	X		
Westminster Highway Underpass	M		X	X
TRANS-CANADA HIGHWAY				
Sumas Canal Westbound	M	X		
No. 1 Road Overpass	M	X		
Vedder Underpass	M	X		
Annis Road Underpass	M	X		
Popkum Road Underpass	C		X	X
Hunter Creek Overpass	M		X	X
Lonsdale Underpass	C	X		
COQUIHALLA HIGHWAY				
Ottomite Bridge	C		X	X
Grimshire Road Underpass	C		X	X
Walloper Underpass	C		X	X
Ajax Overpass	C		X	X
Sugarloaf Overpass	C		X	X
Afton Overpass	C		X	X
Copperhead Underpass	C		X	
Pacific Way Underpass	C		X	

* M Ministry
C Consultant

	Design By *	Design In Progress	Design Completed	Tenders Called
GARIBALDI HIGHWAY				
Strip Creek Bridge	M	X		
Lonetree Creek Bridge	M	X		
Loggers Creek Bridge	M	X		
Alberta Creek Bridge	M		X	X
Swift Creek Bridge	M	X		
Cheakamus Canyon	M	X		
REGION 1 - MISCELLANEOUS				
Grantham Bridge	M	X		
Old Clayburn Underpass	M		X	X
Ryan Creek	M	X		
Patterson Road Pedestrian Overpass	M		X	X
Red Bridge	M	X		
Vedder Acrow Bridge	M	X		
REGION 2 - MISCELLANEOUS				
Vernon Overhead	C	X		
Yard Creek Bridge	C	X		
REGION 3 - MISCELLANEOUS				
St. Cyr Creek Bridge	M		X	X
Atwood Bridge	M		X	X
Winlaw Bridge	M	X		
Athalmer Bridge	C	X		
REGION 4 - MISCELLANEOUS				
Yellowhead Bridge	M		X	X
Vanderhoof Overhead	M		X	X
Clayhurst Bridge	C		X	X
Salmon Valley Overhead	M	X		
Apsasson Bridge	M	X		
Thorsen Creek Bridge	M	X		
Willis Bridge	M	X		
Nygaard Bridge	M	X		
Angusmac Bridge	M	X		
REGION 5 - MISCELLANEOUS				
Beaverpond Creek Bridge	M		X	X
Spruce Creek Bridge	M		X	X
Thomas Creek Bridge	M		X	X
Pleasant Valley Overhead	M	X		
Cornice Bridge	M	X		
Strohn Creek Bridge	M	X		
Windy Point Bridge	M	X		
REGION 6 - MISCELLANEOUS				
Ralph River Bridge	M		X	X
Kerr & TR17	M		X	X
Sachts & Hammond Bridges	C	X		
Henshaw Creek Bridge	M	X		
Thelwood Creek Bridge	M	X		
Marble River Bridge	M	X		

* M Ministry
C Consultant

BRIDGE CONSTRUCTION

(excluding Annacis Island Crossing Complex)

In the 1985/86 fiscal year, 26 new vehicular bridges were completed, repairs to Okanagan Lake Bridge were finished and a railway overhead was modified to provide greater clearance. On March 31, 1986, 45 bridges and a snow shed were under construction and two bridges were being widened. Modifications to Lions' Gate Bridge, Pattullo Bridge, Agassiz-Rosedale Bridge and Second Narrows Bridge were continuing.

By far the greater part of the work during the year was on the Trans-Canada and new Coquihalla Highway, from Rosedale past Hope to Merritt where 17 bridge contractors worked on 34 bridges and a snow shed. Most of the bridges were founded on extended piles to minimize disturbance to river beds and thereby allay environmental concerns. The completion of Dry Gulch Bridge in the late summer of 1985 was important to the Ministry to provide an access across the gulch for equipment and highway construction material. With this in mind the casting of the deck of Dry Gulch Bridge overlapped the steel erection, and the bridge opened to traffic before Labour Day. Building of the 280 m long Great Bear Snow Shed, which is comprised mostly of precast concrete components, was rushed through the winter. Work was often made difficult by poor weather or the result of it - a biting wind blowing up or down the valley, as much as 600 mm of snow in 24 hours and the threat of an avalanche (which was closely monitored by avalanche personnel of the Ministry). By year-end bridge construction on the Coquihalla Highway was nearing completion in preparation for the highway opening in May.

Aberdeen Underpass, the first structure to be built on the extension of the Coquihalla Highway from Merritt to Kamloops, was almost completed. Tenders were received for several other structures on this route.

Magnesia Creek Bridge on Highway 99 near Lions' Bay was completed and work was well under way on Harvey Creek Bridge and two adjacent structures which will be part of the Lions' Bay Interchange to ease traffic in and out of the village.

Work was started on Beaverpond Creek, Spruce Creek and Thomas Creek Bridges on the Stewart-Cassiar Highway. These structures will replace temporary bridges to upgrade this route.

Piers for the Clayhurst Bridge, 60 km north of Dawson Creek, are being built from a work trestle extending nearly across the Peace River. This bridge will replace a ferry near the town of Clayhurst.

Foundations for three of the piers of Yellowhead Fraser River Crossing were kept dewatered during construction with the aid of bentonite-filled cut-off trenches while a steel sheet-pile cofferdam was built near mid-river for the building of a fourth pier. This 500 m, six span, continuous steel girder bridge will remove the highway from an old bridge it now shares with the Canadian National Railway.

The substructure has been built and stringers erected for Jacombs Road Underpass, the first structure on the Richmond East-West Route Connector. This connector will upgrade the route between the new Annacis Bridge and Richmond, Knight Street Bridge and Highway 99.

On February 19, 1986, ornamental lighting on the Lions' Gate Bridge was turned on. The lighting system, comprised of 170 lamps attached to the main cables provide a spectacular entrance to and exit from Vancouver harbour.

During the year some 8,400 tonnes of structural steel were fabricated for bridges and about 9,400 tonnes were erected.

A record 15,000 m of prestressed concrete I-beams were cast and 15,000 m of prestressed concrete box beams. In addition, 1,300 m^2 of hollow-core deck slab were produced for Pritchard Bridge, several large arch culverts were fabricated for the Coquihalla Highway, and a large number of columns, beams and planks were made for the Great Bear Snow Shed.

The Bridge Resurfacing Program was focussed on the lower mainland where 13 bridges were overlaid with a total deck area of 20,000 m^2.

BRIDGES COMPLETED 1985/86

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
2771	Patterson Avenue Pedestrian Overpass	Patterson Avenue	Burnaby-Willingdon	A 114 m long five span prestressed concrete box girder pedestrian bridge. The substructure consists of four concrete piers and two abutments on steel pipe piles.
2692	Peers Bridge	Coquihalla Highway	Chilliwack	A 97 m long, three span bridge consisting of a post-tensioned segmental precast concrete stringer main span and two prestressed concrete stringer side spans. The concrete deck is 22 m wide. The substructure consists of two concrete piers and two abutments all on steel pipe piles.
2759	64th Avenue Underpass	Annacis Highway	Delta	A 54 m long double span structure which consists of prestressed concrete box girders, a reinforced deck overlay supported by 9.2 m high U-shaped abutment walls on spread footings. The centre pier is a three column and cap arrangement also on spread footings. The deck width including sidewalk is 14.8 m.
2758	64th Avenue BNR Overhead	64th Avenue	Delta	A 50 m long three span prestressed box beam bridge with a deck width of 18 m. The substructure consists of shallow abutments founded in fill and two piers also on spread footings.
2809	Highway 10 Access Ramp B.N.R. Overhead	Annacis Highway	Delta	Two separate single span prestressed concrete girder structures. One 19 m and one 22 m long, each supported by two concrete abutments on steel pipe piles.
2756	Highway 10 Underpass	Annacis Highway	New Westminster	A 72 m long two span precast concrete girder bridge with an 18.1 m wide roadway and two side walks. The substructure consists of one concrete pier and two concrete abutments on steel pipe piles.
2762	Cliveden Avenue Underpass	Annacis Highway	New Westminster	A 71 m long two span structure supported on a piled foundation. The superstructure consists of a 19.4 m wide deck, which includes sidewalks on both sides and prestressed concrete I girders.
0297	Pritchard Bridge	Pinantan Road	Shuswap-Revelstoke	A 358 m long timber trestle bridge with prestressed concrete deck panels and a prestressed concrete box stringer main span.
1452	Magnesia Creek Bridge	Garibaldi Highway 99	West Vancouver-Howe Sound	A 51 m long single span, steel plate girder bridge with a 23.2 m wide reinforced concrete deck and supported by two abutments on H-piles. Channelization work is involved.
2716	Floods Underpass	Trans-Canada Highway	Yale-Lillooet	A 60 m long, two span continuous post-tensioned precast concrete stringer bridge with an 11 m wide reinforced concrete deck and supported by concrete pier and abutments on spread footings.

BRIDGES COMPLETED 1985/86 (continued)

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
2617	Silverhope Underpass	Trans-Canada Highway	Yale-Lillooet	A 220 m long, five span continuous steel plate girder bridge with an 11 m wide concrete deck and supported by concrete piers and abutments on spread footings.
2618	Tomberry Road Road	Tomberry Road	Yale-Lillooet	A 71 m long three span bridge. The 45 m post-tensioned segmental precast concrete stringer main span and two precast concrete box stringer side spans support an 8.4 m wide concrete deck. The concrete substructure consists of two piers on pipe piles and two abutments on H-piles.
2826	Thacker Creek Overpass	Coquihalla Highway	Yale-Lillooet	Twin 66 m long three span continuous post-tensioned precast concrete stringer bridges each with an 11 m wide deck and supported by concrete piers and abutments on spread footings.
2775	Deneau Creek Bridge	Coquihalla Highway	Yale-Lillooet	A 36.4 m long single span prestressed concrete girder bridge with a 21 m wide deck supported by concrete abutments on spread footings.
2748	Dewdney Bridge	Coquihalla Highway	Yale-Lillooet	A 35.5 m long single span prestress concrete girder bridge with a 25 m wide concrete supported by concrete abutments on large diameter steel pipe piles.
2827	Dry Gulch Bridge	Coquihalla Highway	Yale-Lillooet	A 365 m long bridge with a 175 m steel twin box girder arch main span and eight steel side spans with steel tower bents. The concrete deck is 22 m wide and the foundation is rock.
2831	Coquihalla Lake Underpass	Coquihalla Highway	Yale-Lillooet	A 90 m long two span continuous steel plate girder bridge with an 11 m wide concrete deck supported by a concrete substructure of one pier and two abutments all on spread footings.
2830	Henning Bridge	Coquihalla Highway	Yale-Lillooet	Two 45 m long parallel three span prestressed concrete stringer bridges supported by extended pipe pile piers and spread footing abutments and having concrete decks.
2838	Murray Bridge	Coquihalla Highway	Yale-Lillooet	Twin 68 m long three span prestressed concrete girder bridges supported on extended steel pipe pile piers and spread footing abutments and having 11 m wide concrete decks.
2840	Brodie Bridge	Coquihalla Highway	Yale-Lillooet	Twin 73 m three span prestressed concrete girder bridges supported on extended steel pipe pile piers and spread footing abutments and having 11 m wide concrete decks.

BRIDGES COMPLETED 1985/86 (continued)

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
2841	Kingsvale Bridge	Coquihalla Highway	Yale-Lillooet	A 78 m long three span precast concrete girder bridge supported on extended steel pipe pile piers and spread footing abutments and having a 29 m wide concrete deck.
2842	Coldwater Underpass	Coquihalla Highway	Yale-Lillooet	A 98 m long two span prestressed concrete girder bridge supported by a concrete pier and concrete abutments on spread footings and having a two-lane concrete deck.
2843	Nicola River Bridge	Coquihalla Highway	Yale-Lillooet	Twin 102 m long three span prestressed concrete girder bridges each supported by extended steel pipe pile piers and abutments on spread footings and each having an 11 m wide concrete deck.
2844	Nicola Underpass	Coquihalla Highway	Yale-Lillooet	A 65 m long two span prestressed concrete girder bridge supported by a pier and abutments on spread footings and having a two-lane concrete deck.
6373	Three Mile Bridge	Spences Bridge to Merritt Highway	Yale-Lillooet	A 100 m long three span prestressed concrete girder bridge supported on extended steel pipe pile piers and abutments on steel H-piles. The concrete deck is 11 m wide.
0677	Rattlesnake Bridge	Spences to Merritt Highway	Yale-Lillooet	A 150 m long five span prestressed concrete girder bridge with a 10 m wide roadway. The substructure consists of concrete piers and abutments on steel pipe piles.
1535	Boston Bar Bridge	Boston Bar to North Bend Access	Yale-Lillooet	A 236 m long five span bridge with a 10.7 m wide concrete deck. The superstructure consists of three steel deck truss spans and two steel stringer spans. The substructure consists of two abutments on spread footings, a short pier on steel pipe piles, two tall concrete piers on large diameter steel pipe pile, and a tall concrete pier anchored on rock. A major portion of the steelwork used was salvaged from three dismantled bridges.
1287	Agassiz-Rosedale	Highway 9 over Fraser River	Chilliwack	Replacement of expansion bearings at Pier No. 1, 2, 5, 6 and 7.
1481	Lions Gate Bridge		West Vancouver-Howe Sound	Install new bolts in bracing system of North Towers and north cable bents. Install new ornamental lighting.
1248	Two Mile Creek Bridge	Highway 3	Yale-Lillooet	Roadway width increased by 12'0" by the addition of three, single span prestressed box girders. Existing concrete retaining wall abutments extended.

BRIDGE IMPROVEMENTS UNDER CONSTRUCTION 1985/86

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
1538	Anderson Creek Bridge	Trans-Canada Highway	Chilliwack	Concrete deck widened, by 3.2 m, two new steel stringers added, abutments enlarged.
0933	Pattullo Bridge	Highway 1A	New Westminster-Surrey	Replacement of bearings at bend No. 11, 12, 13, 14, 15, 16, 19 and 20.
2804	Burns Lake Bridge	North Francois Highway 35	Omineca	A 61 m long three span prestressed concrete girder bridge with 8.6 m wide roadway and two sidewalks. The substructure consists of two concrete piers on steel pipe piles and two abutments on spread footings. The contract includes grading, drainage, culverts and paving.
1592	Westminster Highway U/P	Westminster Highway	Richmond	The widening by 4 m of a 67 m long, four span prestressed concrete girder bridge by entending three piers on steel pipe piles and two abutments on spread footings. Also new deck overlay and seismic restrained.
1481	Lions Gate Bridge		West Vancouver-Howe Sound	Shop blast cleaning of steel sidewalks and application of paint. Construction of berm with rip rap core.

BRIDGES CONSTRUCTED 1985/86

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
2852	Ottomite Bridge	Coquihalla Highway	Yale-Lillooet	Twin 95 m long 3 span bridge decks, each 13.5 m wide consisting of reinforced structural concrete with lane heating, cast on precast, laterally prestressed post-tensioned box stringers, supported on a reinforced concrete substructure of 2 piers and 2 abutments founded on rock.
2870	Watershed Park Overpass	Annacis Highway	Delta	A 16 m single span bridge utilizing pre-used, prestressed concrete girders and a new 26 m wide concrete roadway. The substructure consists of one concrete abutment on steel pipe piles and one on spread footings.
2839	Brook Bridge	Coquihalla Highway	Yale-Lillooet	A 65 m long three span prestressed concrete girder bridge with 10.2 m wide roadway. The substructure consists of two concrete piers on steel pipe piles and two concrete abutments on spread footings.
1207	Berkey Creek Bridge	Hope-Princeton Highway	Yale-Lillooet	A 12 m long single span prestressed concrete box girder bridge with a four lane roadway. The substructure consists of two concrete abutments on spread footings.

BRIDGES UNDER CONSTRUCTION 1985/86

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
7624	Spruce Creek Bridge	Stewart-Cassiar Highway 37	Atlin	A 44 m long three span prestressed concrete box girder bridge, with 9.6 m wide roadway. The substructure consists of two concrete abutments on spread footings and two piers consisting of steel pipe piles with concrete caps. Contract includes approaches.
2511	Beaverpond Creek Bridge	Stewart-Cassiar Highway 37	Atlin	A 40 m long two span prestressed concrete box girder bridge with 9.6 m wide roadway. The substructure consists of one pier and two abutments which are comprised of steel piles with concrete caps.
7798	Thomas Creek Bridge	Stewart-Cassiar Highway 37	Atlin	A 46 m long three span prestressed concrete box girder bridge with 9.6 m wide roadway. The substructure consists of two concrete piers and abutments on spread footings. Contract includes approaches.
1234	Atwood Bridge	Atwood East-Gilpin Road	Boundary-Similkameen	A 110 m long four span prestressed concrete box girder bridge with a two lane roadway. The substructure consists of three concrete piers and two concrete abutments on steel pipe piles.
2806	Old Clayburn Road U/P	Abbotsford Bypass	Central Fraser Valley	A 54 m long three span prestressed concrete girder bridge with 19 m wide roadway. The substructure consists of two concrete piers and two concrete abutments, all on spread footings.
2847	Whatcom Underpass	Trans-Canada Highway	Central Fraser Valley	A 54.7 m long two span prestressed concrete girder bridge with 12.6 m wide roadway. The substructure consists of one concrete pier on timber piles and two concrete abutments on spread footings.
2833	Othello Underpass	Highway 3	Chilliwack	A 35.4 m single span prestressed concrete box girder bridge with 18 m wide roadway. The substructure consists of two concrete abutment walls on spread footings.
2851	Jones Hill Underpass	Trans-Canada Highway	Chilliwack	A 35 m single span prestressed concrete girder bridge, with a 10.3 m wide roadway. The substructure consists of two concrete abutments on spread footings.
2835	Portia Bridge	Coquihalla Highway	Chilliwack	A 122 m long, four span prestressed concrete girder bridge with a 21.6 m wide concrete deck. The substructure consists of two concrete abutments, a concrete pier on spread footings, a concrete pier on rock, and an extended steel pipe pile pier.
2577	Silverhope Creek Bridge	Trans-Canada Highway	Chilliwack	Twin 105 m long, two span continuous steel plate girder bridges with 10.2 m wide concrete decks, each supported by a concrete pier and concrete abutments all on steel pipe piles.

BRIDGES UNDER CONSTRUCTION 1985/86 (continued)

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
2855	Anderson Creek Bridge	Trans-Canada Highway	Chilliwack	A single span concrete slab bridge approximately 10 m long with 10.2 m wide roadway. The substructure consists of two concrete support walls on strip foundations carried on steel pipe piles.
2848	Popkum Road Underpass	Trans-Canada Highway	Chilliwack	A 79.2 m long three span prestressed concrete girder bridge with 14.1 m wide roadway. The substructure consists of two concrete piers on treated timber piles and two concrete abutments on spread footings.
2849	Alexander Creek Bridge	Highway 3	Chilliwack	A three span steel girder bridge, 150 m long with two prestressed concrete girder half width end spans of 11 m and 15 m in length. The concrete deck has a 28.2 wide roadway. The substructure consists of two concrete piers founded on rock by concrete caissons of varying length. Two staggered concrete abutments are founded on rock.
7721	Ralph River Bridge	Western Mines Road #690	Comox	A 40 m long three span prestressed concrete box girder bridge with 10 m wide roadway and one sidewalk. The substructure consists of two concrete abutments on steel pipe piles and two piers consisting of steel pipe piles with concrete caps and diaphragms.
2096	Coquitlam River Bridge	Mary Hill Bypass	Coquitlam-Moody	A 116 m four span prestressed concrete girder bridge with 19.2 m wide roadway and one sidewalk. The substructure consists of three concrete piers on prestressed concrete piles and two abutments on spread footings.
2678	Mary Hill By-Pass	Mary Hill Bypass	Coquitlam-Moody	A 265 foot long three span prestressed concrete girder bridge with a 60 foot wide roadway and one sidewalk. The substructure consists of two concrete piers on steel pipe piles and two concrete abutments on spread footings.
2822	72nd Avenue BNR O/H	72nd Avenue	Delta	A 90 m long three span continuous prestressed concrete I-beam girder bridge with a bridge deck width including one sidewalk of 1184 m. The substructures are supported on piled foundation for one abutment and pier and on spread footing for the other pier and abutment.
2753	Annacis South Approach	Annacis Highway	Delta	A 819 m long approach structure comprised of 20 simple spans. The structure consists of a reinforced concrete deck which varies in width from about 35.7 m to 26.2 m and is supported on 2.3 m high prestressed concrete I-girders. The substructures are supported on piled footings from which twin concrete columns topped with a concrete cap rise to as much as 39 m above ground.
2757	Mud Bay Overpass	Annacis Highway	Delta	A 78 m long four span prestressed concrete girder bridge with 14.5 m wide roadway. The substructure consists of three concrete piers on steel pipe piles and two concrete abutments on spread footing.

BRIDGES UNDER CONSTRUCTION 1985/86 (continued)

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
2755	Mud Bay B.C. Rail Overhead	Annacis Highway	Delta	A 30 m long single span prestressed concrete girder bridge with deck widths varying from 28.4 m to 35.4 m. The substructure consists of two concrete abutments on spread footings. Contract includes reinforced earth abutment walls.
2761	Nordel Underpass	Annacis Highway	Delta	A 72 m long two span prestressed concrete girder bridge with 17.0 m wide roadway. The substructure consists of one concrete pier and two concrete abutments on steel pipe piles.
2821	84th Avenue B.N.R. Overhead	Annacis Highway	Delta	A 126 m long three span steel girder bridge. The deck is of reinforced concrete with a 19.2 m wide roadway. The substructure consists of one concrete pier and one abutment on steel pipe piles and one concrete pier and one abutment on spread footings.
2854	Aberdeen Underpass	Highway 5A	Kamloops	A 50 m long, three span prestressed concrete box girder bridge with a six lane roadway. The substructure consists of two concrete abutments on spread footings. The contract includes approach and drainage.
2742	McDougall Creek Bridge	East Boundary Road	Kelowna	A 59 foot, single span prestressed concrete box girder bridge, with a 28 foot wide roadway and one sidewalk. The substructure consists of two concrete abutment on steel pipe piles.
2760	Annacis Channel Movable Bridge	Queensborough Loop Road	New Westminster	A five fixed span structure coupled with a bobtail swing span for a total length of 205.8 m. The structure provides both a rail and a roadway link to Annacis Island. The roadway superstructure consists of concrete I-beams on the approach spans and steel I-girders on the swing span. The deck width is 12.6 m including the sidewalks. The railway structure is constructed using steel I-girders and floorbeams. The substructures are mass concrete caps 20 m long, 6 m high, and about 2 m wide supported by prestressed concrete piles.
2753	Annacis South and North Approaches	Annacis Highway	Delta and New Westminster	The supply and erection of steel sidewalk on north approach, from north abutment to Pier No. 8 on both sides. The supply and erection of a steel parapet railing on both sides of the north and south approaches.
2820	Thompson Rd. Pedestrian Overpass	Annacis Highway	New Westminster	A 128 m long five span prestressed concrete box girder pedestrian bridge. The substructure consists of four concrete piers and two concrete abutments all on steel pipe piles.

BRIDGES UNDER CONSTRUCTION 1985/86 (continued)

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
2812	Boundary Road Overpass	Annacis Highway	New Westminster	A 47 m long two span prestressed concrete girder bridge with twin 11.2 m wide roadway decks on a common substructure. The substructure consists of a concrete pier on steel pipe piles and two abutments comprised of steel pipe piles with concrete caps.
2753	Annacis North Approach	Annacis Highway	New Westminster	A 775 m long approach structure comprised of 20 simple spans and a four span 94.5 m long exit ramp. The superstructure and substructure units for the north approach structure are similar to the Annacis South Approach. The ramp structure has a deck width of 6.3 m and 1.4 m deep prestressed concrete I-beams supported by single column piers on piled foundations.
2783	Annacis Channel East Bridge	Annacis Highway	New Westminster/ Richmond	A 410 m long nine span concrete I-beam bridge on a 240 m radius curved alignment. The superstructure consists of a reinforced concrete deck with a width of about 27.3 m and concrete I-girders which vary in depth from 2.75 m to 1.73 m. A combination of post-tensioning and prestressing is used to construct the longest concrete girder spans used in the province to-date. The substructure consists of six land pier units which are each made up of five 1524 diameter concrete filled steel pipe piles topped with a two metre deep concrete cap and two river piers which are massive concrete structures supported on a raft of 910 mm diameter piles and designed to withstand ship collision.
2753	Annacis Main Span	Annacis Highway	New Westminster/ Richmond	The Annacis Bridge is a cable-stayed bridge with an overall length of 930.5 m and a deck width of 26.2 m. The length is divided into five spans, a central main span of 465 m, two side spans of 182.75 m and two transition spans of 50 m each. The superstructure is constructed using two exterior two metre steel I-beams which are coupled by floor beams at four metre on centre. Concrete precast panels with cast-in-place concrete in-fill strips and a high density concrete overlay form the deck structure. The superstructure is supported by 192 wire-rope cables which are splayed from the tower piers and attached to the exterior girders. The tower is comprised of two hollow legs with a variable cross-section and a constant wall thickness which extend 158.8 m above the ground. The tower legs are joined with eight and 10 m deep cross struts above and below the deck surface. The piled foundation for the north tower has 910 diameter pipe piles extending 86 m below the footing with the south tower founded on relatively short H-pile sections. The side piers are twin reinforced concrete columns which are topped with a cap and tied with a strut. The side piers are supported on piled foundations.

BRIDGES UNDER CONSTRUCTION 1985/86 (continued)

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
2719	Clayhurst Bridge	Rolla Road #43	North Peace River/ South Peace River	A 295 m long seven span steel girder bridge. The deck is of reinforced concrete with a 10.2 m wide roadway. The substructure consists of six concrete piers on steel pipe piles and two abutments on spread footings.
1829	Isleview Place Bridge	Garibaldi Highway 99	North Vancouver	A 20 m long single span prestressed concrete box girder bridge with a 7.2 m wide roadway and two sidewalks. The substructure consists of one concrete abutment on steel pipe piles and one on spread footing. Contract includes a reinforced earth abutment wall.
1830	Crosscreek Road Bridge	Crosscreek Road	North Vancouver	A 19.6 m long single span prestressed concrete box girder bridge with a 7.2 m wide roadway and two sidewalks. The substructure consists of one concrete abutment on steel pipe piles and one on spread footing.
1462	Harvey Creek Bridge	Garibaldi Highway 99	North Vancouver	A 44.3 m long two span prestressed concrete girder bridge with a 19.5 m wide roadway. The substructure consists of one concrete pier on steel pipe piles and two concrete abutments on spread footings. Contract includes reinforced earth abutment walls.
2808	Yellowhead Fraser River Crossing	Yellowhead Highway 16	Prince George	A 500 m long six span steel girder bridge with concrete deck. Roadway width varies from 30.2 m to 23.7 m. The substructure consists of five concrete piers on steel pipe piles and two concrete abutments on spread footings.
2863	Garneau Flyover	Richmond East/West Freeway	Richmond	A 62 m long three span prestressed concrete stringer bridge with 8 m wide roadway. The substructure consists of two concrete piers and two concrete abutments all on spread footings.
2861	Jacombs Road Underpass	Richmond East/West Freeway	Richmond	A 58 m long two span prestressed concrete girder bridge with 8.9 m wide roadway and one sidewalk. The substructure consists of one concrete pier on steel pipe piles and two concrete abutments on spread footings.
2800	St. Cyr Creek Bridge	Highway 23	Shuswap-Revelstoke	A 70 m long two span continuous steel girder bridge with 10.2 m wide concrete roadway. The substructure consists of a concrete pier on steel pipe piles and two concrete abutments on spread footings.

BRIDGES UNDER CONSTRUCTION 1985/86 (continued)

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
1463	Alberta Creek Bridge	Garibaldi Highway 99	West Vancouver/ Howe Sound	A 32 m long single span prestressed concrete box girder bridge with varying road width. Box girders are transversely post tensioned and supported on two abutments on steel H-piles. Contract includes approaches.
1468	Newman Creek Bridge	Garibaldi Highway 99	West Vancouver/ Howe Sound	A 43.5 m long single span prestressed concrete girder bridge with 19.4 m wide roadway. The substructure consists of two concrete abutments on spread footings. Contract includes approaches.
2767	Carolin Bridge	Coquihalla Highway	Yale-Lillooet	A 71.8 m long two span steel plate girder bridge with a 25.3 m wide concrete deck supported by a pier and abutment on steel pipe piles and an abutment on a spread footing.
2724	Jessica Bridge	Coquihalla Highway	Yale-Lillooet	Twin 85.4 m long three span steel plate girder bridges each with a concrete deck and two piers on large diameter steel pipe piles and concrete abutments on spread footings.
2834	Shylock Road Underpass	Coquihalla Highway	Yale-Lillooet	A 55 m long two span continuous steel girder bridge with 4.8 m wide concrete roadway. The substructure consists of a concrete pier and two abutments on spread footings.
2850	Great Bear Snow Shed	Coquihalla Highway	Yale-Lillooet	A 280 m long precast concrete snow shed approximately 33 m wide. The structure consists of precast concrete roof, columns, and side screens and cast-in-place concrete footings and slab.
2875	Hunter Creek Overpass	Trans-Canada Highway	Yale-Lillooet	Two 31.3 m long single span prestressed concrete box girder bridges with a 10 m wide roadway. Substructure for each structure consists of two concrete abutments on spread footings. The contract also included ramps, grading and drainage.
2645	Hope Overpass	Coquihalla Highway	Yale-Lillooet	Two, four span prestressed concrete girder bridges, 150 m long. Each structure has an 11 m wide roadway. The substructure consists of two common concrete abutments on spread footings. Each structure has one concrete pier on spread footing and two concrete piers on steel pipe piles.
2828	Nicolum Creek Bridge	Coquihalla Highway	Yale-Lillooet	A 180 m three span long bridge 25 m wide consisting of a reinforced concrete deck supported by four curved continuous trapizoidal steel box girders on a reinforced concrete substructure consisting of two piers and two abutments founded on spread footings.

BRIDGES UNDER CONSTRUCTION 1985/86 (continued)

No.	Name	Location	Electoral District	Type, Description of Work and Remarks
2853	Ladner Creek Bridge	Coquihalla Highway	Yale-Lillooet	A 257 m long six span bridge 22 m wide consisting of a reinforced concrete deck with lane heating and a high-density concrete overlay supported by five continuous steel plates girders on a reinforced concrete substructure consisting of two abutments and five piers, all founded on spread footings.
2836	Juliet Creek Bridge	Coquihalla Highway	Yale-Lillooet	Twin 87 m long three span bridges, each 11 m wide and consisting of a reinforced concrete deck on precast, prestressed concrete "I" beams supported by two reinforced concrete abutments on spread footings and two piers of reinforced concrete supported on large diameter steel pipe piling.
2837	Bottletop Bridge	Coquihalla Highway	Yale-Lillooet	Twin 82 m long three span bridges; each 11 m wide consisting of a reinforced concrete deck on steel plate girders supported by a reinforced concrete substructure of two abutments on spread footings and two piers on extended, large diameter, steel pipe piling.
2845	Kingsvale Overhead	Coquihalla Highway	Yale-Lillooet	Twin 97 m long three span bridges, each 14.5 m wide consisting of a reinforced concrete deck, with lane heating, on segmental post-tensioned concrete. "I" beams supported by a reinforced concrete substructure on spread footings of two abutments and two piers with post-tensioned caps.
0892	Curnow Bridge	Highway 8	Yale-Lillooet	A 80 m long three span bridge with an 11 m wide reinforced concrete deck on four continuous steel plate girders supported by a reinforced concrete substructure consisting of two abutments on spread footings and two extended pipe pile piers.

DOCK ENGINEERING AND OPERATIONS

In 1983 the Dock Engineering and Operations' role changed from being almost exclusively ferry terminal oriented to less ferry terminal and more bridge oriented. On October 1, 1985 its role changed again when the British Columbia Ferry Corporation assumed full responsibility for the design, construction and maintenance of all salt water ferry terminals formerly operated by the Ministry. This unit continues to be responsible for the design, construction and maintenance of fresh water terminals and concentrates most of its efforts on bridge design under the direction of the Senior Bridge Design Engineer.

During the year, this unit completed design work on four salt water ferry terminals and completed construction projects on two salt water ferry terminals and two fresh water ferry terminals.

In addition, designs were completed on 10 bridges and work is continuing on nine others (as covered under Bridge Design). Numerous maintenance operations were also carried out on all Ministry ferry terminals.

Annual soundings were completed on 43 major bridges throughout the Province.

Description	Design Completed	Design In Progress
D-1718 Westview Island Ferry Terminal – replacement of Wingwalls	X	
Buckley Bay Ferry Terminal – replacement of dolphins with floating leads	X	
Denman Island West Ferry Terminal – replacement of dolphins with floating leads.	X	
Thetis Island Ferry Terminal – new Terminal Building	X	

Description	Construction Completed	Construction In Progress
Little River Ferry Terminal – upgrading water and electrical services (Day Labour Project)	X	
Nanaimo Ferry Terminal – Ramp abutment reconstruction (Day Labour Project)	X	
B-3023 Albion and McMillan Island Ferry Terminals – new vehicle loading ramps, aprons and pontoons	X	
D-2997 Albion Ferry Terminal – shore installations for natural gas fuel conversion	X	

ANNACIS ISLAND CROSSING COMPLEX

Construction of the Annacis Bridge has proceeded on schedule and at year-end the value of work completed was $49,947,892.00.

The structure is complete except for tuning of the stay cables, extrusion of concrete median and parapets, electrical installations, and placement of the high density concrete deck overlay.

Erection of the superstructure, i.e. structural steel girders and floor beams, precast deck panels and stay cables began in May 1985, with all material being hoisted to the deck from land, and construction progressing outward in both directions from piers S1 and N1 using the balanced cantilever technique.

On March 10, 1986 the last two precast deck panels were lowered into place at a ceremony attended by the Premier, cabinet ministers and local politicians to mark the closure of the world's longest cable stayed bridge.

The four approach span contracts, with a combined value of $36,800,000.00 were completed during the year. This construction was completed on time with a minimum of cost overruns, and provided the main span contractor with access to his project well in advance of the dates stipulated in his contract.

The Annacis Channel East Bridge is a vital link in the Annacis System, and shortly after the contract was awarded the Ministry negotiated with the successful contractor to accelerate the project completion date to be consistent with the schedule for the Annacis Bridge.

Work proceeded exceptionally well, and at year-end construction was well advanced and the completion date of May 31, 1986 appeared readily attainable.

On the Annacis Channel Movable Bridge, progress continued to be slow, and at year-end it was evident the contract completion date would not be met. As a direct consequence of the contractor's slow rate of progress, it was necessary for the Ministry to negotiate with the marine users of the Annacis Channel to compensate them for restricted navigation access.

During the year, realignment of the south end of the Queensborough Bridge was completed providing access to the new Queensborough connector. This project involved the demolition of the last six spans at the south end of the Queensborough Bridge and replacement with four new spans constructed on the revised alignment.

Several minor structures were completed; Cliveden Avenue Underpass, 64th Avenue B.N.R. Overhead and Underpass, Highway 10 B.N.R. Overhead and Access Ramp, Highway 10 Underpass and Watershed Park Overpass. Several other minor structures were in the final stages of completion; Boundary Road Underpass, Thompson Road Pedestrian Overpass, 72nd Avenue B.N.R. Overhead, Mud Bay Overpass and Mud Bay B.C.R. Overhead.

Progress at 84th Avenue B.N.R. Overhead was extremely slow due in part to difficult site conditions. It appears the completion date of this project will have to be renegotiated.

The total value of bridge construction on the Annacis System during the year was $71,000,000.

REGULATORY AGENCIES LIAISON

The number of applications to the Director of Engineering Inspection for approval of high pressure gas lines, increased slightly over the average of the past few years to four applications this year.

Applications were made to the Railway Transport Committee for improvements to 19 level crossings of which 10 were new or a relocation of existing unsignalized crossings, for seven new signal installations, and for two major improvement or relocation of existing signals.

Applications were made for four grade separations. Although there is still no replacement for the Urban Transportation Assistance Program, the Railway Transport Committee sought comments from all Provinces and is now in the process of compiling a report on the proposed cost sharing between the Railways and the Road Authority on grade separation projects. The matter is still under negotiation.

Negotiations were finalized and 3.8 km of the Burlington Northern Railway were relocated on the Annacis Project.

Application for approval of three projects were made under the Navigable Waters Protection Act.

BRIDGE INSPECTION

This position continued to liaise with the regions and districts supplying them with technical information and recommendations regarding the repair and maintenance of bridges. Overload requests were investigated for the Commercial Transport Division with the majority resulting from construction of the Coquihalla Highway. Requests from utility companies were reviewed insofar as the placement of utilities on bridges. The companies were advised as to the acceptability of these requests.

REPORT OF THE DIRECTOR OF HIGHWAY PLANNING AND TRAFFIC

D.R. Parkes, P. Eng.

During the 1985/86 fiscal year the Highway Planning and Traffic Branch undertook a number of first time activities. These included the installation of ornamental illumination on the Lions Gate Bridge, the finalization of layout of the traffic signing and instrumentation at the Coquihalla Toll Plaza, and the use of telemetry to access remote traffic counting equipment. Both the Coquihalla and Annacis projects have provided substantial logistical challenges for the suppliers, shippers and installation crews with more signs and luminaires installed in this fiscal year than required during several normal years of operation. Subdivision activity has continued to decline with the number of new lots dropping below 2,800 for the first time since this statistic was recorded The amount of new highway created also declined, down from 150 km in 1984 to under 90 km this year.

Highway Planning Section

a) Highway Planning and Corridor Analysis

The Highway Planning Section continued its review of the Provincial highway system, assembled the Highway Capital Program and initiated out studies ranging from the development of transportation management strategies to the evaluation of transportation corridors. Examples include:

i) Highway 1 Corridor Study for the Burnaby Freeway.

ii) Upgrading Highway 17 in the Saanich Peninsula to freeway standard.

iii) Nanaimo Bypass connections to existing Highway 1 and 19.

iv) Participation at the public meetings in Peachland for the Coquihalla Project, Phase III and a possible Peachland Bypass or Highway 97 multi-laning project.

v) Completion of development of the first phase of an automated capital program data base.

b) Major Street Network Plan

The primary function of this section is to develop comprehensive road transportation network plans, strategies and functional layouts to provide short and long term solutions to transportation problems for metropolitan, urban, regional and rural areas. This work was continued from the previous year in 30 communities and during fiscal year 1985/86 a further one was initiated. Technical agreement, and in most cases Municipal Council and Regional Board endorsements, were achieved in nine network studies.

The purpose of these studies is to identify the physical and land use limitations for transportation corridors prior to urban development or redevelopment so that feasible, effective and widely accepted corridors can be protected and acquired, enabling future construction at acceptable costs with the least possible disruption to communities. Local jurisdictions are encouraged to adopt these network strategies as the transportation component of their official community plans. The strategies are an important element in the assessment of applications from municipalities seeking provincial cost sharing funds under either the Revenue Sharing Act or the Secondary Highways Program. This planning work also provides guidance to the Approving Officers from both the municipal and provincial levels and provides a framework for decisions concerning zoning, subdivisions, access and the traffic impacts and internal layout of major land developments.

c) Technical Resource and Impact Analysis

The section's role as a technical resource on a wide range of transportation related planning matters has been through participation on inter-Branch, inter-Ministry and inter-Agency committees and task forces such as:

i) Transport Canada's Freeway Management Study

ii) The Mount Klappan Coal Access Study

iii) The Expo 86 Transportation Technical Working Group

d) Special Projects

In the 1985/86 fiscal year the section was also involved in special projects such as:

i) The Langley Road/Rail Grade Separation study as a pilot project for the MOSS computer assisted preliminary design system.

ii) Provision of the park and ride lots to serve Expo 86, the SkyTrain system and other specific sites identified by B.C. Transit.

e) **Investigation and Analysis**

Traffic Information:

The data collection and analysis functions of the Highway Planning and Traffic Branch were reorganized to take advantage of increased automation and to avoid duplication of efforts as a result of the amalgamation of the two Branches. Data collection and field operations were transferred to the Traffic Section and the analysis and reporting function were concentrated in the Planning Section. Work is continuing on streamlining procedures for editing, processing and disseminating traffic information.

Traffic data was collected to analyze the impact of new types of commercial land uses and to quantify the effects of lane closures on freeway traffic.

Photolog System:

The original 16 mm photolog equipment was replaced with a second generation computer compatible system. Information is now captured on 35 mm film for higher resolution of the image, and on magnetic tape cartridges, which allows enhanced data processing capability. New back projection, reviewing equipment was also acquired.

Approximately 12,854 km of the Provincial highway system and other major roads were photo inventoried using the new equipment.

In order to have a relatively inexpensive medium to distribute the photolog resource throughout the Ministry, the Branch is presently testing the feasibility of producing videotapes or videodisks from the 35 mm film using Region 1 (Lower Mainland) as a pilot project.

Annacis System Section

The principle function of this section is to manage the Ministry, consultant and contractor resources engaged in the planning, design and construction of the Annacis Island Bridge and Highway System.

Construction of the main river crossing and support highway system has proceeded on an accelerated schedule with the system to be opened to service in June 1986. To the end of the fiscal year 1985/86, a total of $343,938,000 has been expended.

For the main crossing, both main towers were completed to their full height of 153 m and construction of the bridge superstructure commenced in May 1985. The superstructure was erected from both sides of the river by a balanced cantilever method. The steel skeleton, cables, and concrete deck panels were fabricated off site, transported to the bridge, hoisted by crane, and assembled in place. The work proceeded well ahead of schedule and bridge completion was advanced from August 31, 1986 to June 1, 1986. The north and south sides were joined by steel on March 6, 1986 and on March 10, 1986 the gap was closed with placement of the final deck panels and the first vehicles travelled across the Fraser River on the Annacis Bridge.

In total, construction involved approximately 5,600 t of structural steel, 200 cables and sockets weighing 1,700 t and 14,000 t of precast deck panels. Remaining work includes placement of parapets, high density concrete surface and fine tuning of the support cables to achieve the optimum bridge geometry.

Four major contracts for construction of the north and south approach spans were completed, including placement of the high density concrete surface. A traffic noise barrier will be constructed on the upstream side of the south approach.

Construction continued on both the swing bridge and highway fixed bridge across Annacis Channel. For the swing bridge the structural steel erection and concrete deck have been substantially completed while mechanical and electrical work continues with commissioning expected in May 1986. Construction of the fixed bridge is well ahead of schedule with completion advanced from August 31, 1986 to June 1, 1986.

Reconstruction of the south end of the Queensborough Bridge has been completed. For the Annacis Highway eight minor structures have been substantially completed and construction continues on the other seven. For the Richmond Freeway three contracts for bridge construction have been awarded and bridge design work is proceeding on 13 additional structures.

South of the Fraser River, all highway and rail relocation design work was completed and right-of-way acquired for construction. Grade construction has been completed and paving contracts awarded. Highway construction south of Highway 10 was accelerated to achieve full completion of the Annacis Highway south to Highway 99 in June 1986. By early March 1986 the relocated portion of Highway 10 was opened to traffic. The relocation of 4.1 km of Burlington Northern Railway mainline and 1.2 km of B.C. Rail mainline were substantially completed.

In accordance with Ministry-Corporation of Delta agreement on municipal road connections, design work and right-of-way acquisitions were completed and construction commenced. Municipal road connections to 64th Avenue, 72nd Avenue and River Road were substantially completed and construction continued on the Nordel Way connection to 84th Avenue and 112th Street. At the request of Delta, the Ministry carried out a feasibility study of a possible extension of the Nordel Way connector.

North of the Fraser River, paving of the Cliveden Interchange area on Annacis Island was completed. A seven acre fish rearing area was developed on Annacis Channel to offset habitat losses due to bridge and shoreline construction. Grade construction was completed for the new highway to the Queensborough Bridge and the Westminster Highway and on the Queensborough Loop Road. Paving contracts, including electrical and signing work, were awarded and work is progressing on schedule for completion by June 1, 1986.

At the north end of the Queensborough Bridge, roadway construction continued on the interim connection of Marine Way to the bridgehead and municipal road connections. The Ministry and City of New Westminster reached agreement on the upgrading of 20th Street. Marine Way was completed and opened to traffic in July 1985. Reconstruction of access to the industrial area south of Marine Drive-Stewardson Way was completed.

Ninety percent of the highway design for the Richmond Freeway was completed and all right-of-way required for current construction was acquired. A total of 2,200,000 m^3 of river sand and 600,000 m^3 of hogfuel were stockpiled for grade construction. Highway construction commenced on the new freeway to the east of Jacombs Road and on the widening of Knight Street. Detour ramps were constructed at the Highway 99-No. 5 Road Interchange. The Richmond Freeway, scheduled for completion in 1988, will link the Annacis Crossing facility to Knight Street, Highway 99 and the Richmond central area.

In addition to day labour projects, major road construction contracts awarded in 1985/86 included:

- supply of hog fuel and dredged sand
- two densification contracts
- two highway grading contracts
- supply and placement of rail trackage
- nine grading and paving contracts
- six paving contracts

Approximately 1,200 man years of direct employment was generated by Annacis System work during the fiscal year of 1985/86.

Municipal Programs Section

The Secondary Highway Program, the roads section of the Revenue Sharing Act program and the Urban/Arterial Highway Program were continued. The Ministry approved amounts of $1,703,244 for construction and $515,073 for maintenance works carried out on 325 km of secondary highways this year. Examination was undertaken and recommendations made to the Ministry of Municipal Affairs regarding approximately 156 applications received under the roads section of the Revenue Sharing Act resulting in grants totalling $5,911,122 by the Ministry of Municipal Affairs for road related works on 43 of the applications. Negotiations were carried out with four municipalities regarding downtown revitalization projects and 24 municipalities concerning urban street renewal and bridge assistance under Section 32(3) of the Highway Act. Staff met with representatives of 45 municipalities and Regional Districts during the annual U.B.C.M. Convention. A large number of changes in classification was considered resulting in the cancellation of five arterial highways and the establishment of 12 new ones. One secondary highway was cancelled and six were established. Comments and recommendations concerning 23 proposed boundary extensions, restructures and new incorporations were forwarded to the Ministry of Municipal Affairs.

Approvals Section

The approval of subdivision of land applications for all rural areas in the Province lies with the Ministry and is administered through 38 District offices and six Regional offices. The Ministry approved 1,204 subdivision applications which created an additional 2,799 building lots and approximately 88 km of highway were added to the system through dedication of road by subdivision. The offices also approved the following applications:

Controlled Access Permits	508
Ordinary Driveway Permits	2,997
Zoning Bylaws	1,136
Other Permits	4,695

REGIONAL SUMMARY OF REGULATORY ACTIVITIES

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Burnaby	88	311	444	785	129	673	13.3	8.93
Kamloops	162	761	189	1668	342	618	8.38	36.18
Nelson	62	311	89	567	196	313	8.12	11.68
Prince George	96	445	108	658	170	305	23.64	20.32
Terrace	60	167	30	309	46	111	7.43	.61
Nanaimo	40	1002	276	708	321	779	26.63	12.44
TOTALS	508	2997	1136	4695	1204	2799	87.5	90.16

1. Controlled Access Permits Issued
2. Ordinary Access Permits Issued
3. Zoning Bylaws
4. Other Permits
5. Subdivision (Final)
6. Lots Created (Final)
7. Kilometres of New Road Dedicated (Final)
8. Hectares of Widened Right-of-Way to Existing Highways

Coquihalla Section

Work on the new Coquihalla Highway reached its peak during the 1985/86 fiscal year. It is estimated that 4,700 people worked directly on the project with a further 7,100 employed in spin-off jobs.

Over 98% of the first phase - Hope to Merritt - was completed with the final touches scheduled for completion by May 16, 1986.

Also scheduled for completion at that time are the remaining ancillary improvement program contracts, i.e.

- the upgrading of the Trans Canada Highway between Wahleach and Jones Creek to a four lane divided freeway.
- the Highway 5A/Trans Canada Highway interchange in Kamloops.

The other components of this program:

1) Alignment improvements to Highway 5 between Merritt and Kamloops

2) Repaving of 56 km of Highway 5, 31.9 km of Highland Valley Road and 27 km of Logan Lake Road

3) Bridge replacements on Highway 8

4) Floods/Hope Bypass

were completed earlier in the 1985/86 period.

The design of the second phase - Merritt to Kamloops - is now completed. Work commenced on most of the 21 contracts which were awarded. The remaining four contracts; two day labour, one crushing, one bridge, should be active early in the 1986/87 fiscal period. The construction of Phase II is scheduled for completion by October 1987. The upgrading of the Trans Canada Highway to a six lane divided freeway from Afton to Columbia Street is also scheduled for completion at that time.

The corridor for the third phase of the Coquihalla Highway was selected and the design work is continuing. The first contract covering the initial 3.5 km will be awarded in April 1986.

Traffic Section

During the past year, travel activity continued at a high level in the Province with an increase in the number of vehicles using British Columbia highways from the previous year. The Traffic Section (Civil) cooperated with individuals and organizations in the associated fields of traffic safety, traffic planning, intersection designs, standardization of traffic control devices and traffic operations.

The Traffic Engineer represented the Ministry on the Roads and Transportation Association, Council on Uniform Traffic Control Devices for Canada and the Roads and Transportation Association Committee on Traffic Operations.

Short duration annual traffic counts were taken with automatic equipment at approximately 700 locations throughout the province. All short counts taken on Vancouver Island and in the Fraser Valley recorded traffic volumes separately for each direction of travel. Directional traffic volumes were also recorded continuously throughout the year at 28 permanent counters. Data can now be retrieved automatically from 12 of these installations by telemetry.

Punched tape traffic counts are used almost exclusively so that calculation of traffic count statistics can be accomplished with data processing equipment.

In the summer of 1971, the Traffic Section began to install electronic loop detection systems at regular short duration traffic count stations on high speed/high volume highways. The new detectors, replacing the rubber road tubes previously used, allow employees to set up counts on the shoulder without having to venture onto travelled lanes. The program will be continued this summer.

Summer daily traffic volumes for 1985 showed approximately 63,000 vehicles on First Narrows Bridge; 86,000 vehicles on Second Narrows Bridge; 78,000 vehicles on Port Mann Bridge; 77,000 vehicles on Oak Street Bridge; 64,000 vehicles on Knight Street Bridge; 67,000 vehicles on Pattullo Bridge and 80,000 vehicles in the George Massey Tunnel. Data from the permanent count stations showed an increase in 1985 over 1984 of approximately two percent in the Southern Interior; eight percent on Vancouver Island; one percent on the Lower Mainland and a decrease of two percent in the Northern Interior.

Numerous intersection problems were investigated during the year. Many vehicle turning movement counts were taken manually and designs prepared for improvements at approximately 40 intersections and median island projects. Improvements such as widening, channelization, signing and signal revisions were carried out at many of these intersections to give greater capacity to reduce hazards and delay and to improve traffic operations. In addition, the efficiency of several signal corridors was improved by the installation of computer analyzed signal progressions. These progressions synchronize the signals to increase capacity while reducing delay and fuel consumption. There has been a continuing increase in traffic problems referred to the Traffic Section and in requests for vehicular signals, pedestrian signals, flashing beacons, and crosswalk markings and signing.

Many highway design plans were reviewed to ensure that intersections and interchanges would function with as few operational and capacity problems as possible. In particular, an ongoing review of the geometric designs has been carried out for both the Annacis and Coquihalla Highway projects.

Signing designs for the Annacis and Coquihalla Highway projects are in the final installation stage. The emphasis has been on designing signs for legibility at high speeds which will effectively impart messages to both local, inter-regional and tourist traffic. Care is being taken to ensure that the sign messages will provide the maximum benefit to the driver.

A system of changeable message signs is being installed for use in road information on the Coquihalla Highway. The Coquihalla system consists of 11 changeable message signs, located on Routes 1, 5 and 7, linked by telephone connection to a central computer for an integrated updating of the messages.

Four railway grade crossings were signalized in cooperation with the Canadian Transport Committee and the railways.

Changing conditions necessitated reviews of many speed limits throughout the province. The Ministry obtained the opinions of police forces in many cases, and where necessary, travel speeds were checked with radar.

The Electrical Section has been hard pressed to keep up with the very extensive construction projects that have been active this past year. The dedicated work of the staff, working long hours, has permitted the Ministry to keep up with this program.

The Annacis and Coquihalla Highway projects have taken more material in one year than we would normally put in the field in several years. Supplying this amount of material to the field has only been possible with the cooperation of the Purchasing Commission, (the suppliers) shippers and Ministry staff.

An exciting project was the outline lighting of the Lions Gate Bridge to tie in with the "Paint Your City with Lights" program. One hundred and seventy-eight, 100 watt mercury fixtures were mounted on the main suspension cable system. The lighting display was well received with the Ministry receiving many compliments from the media and general public.

The Ministry is now installing only solid state traffic controllers. All old Moduvac electromechanical equipment has been replaced with these new solid state traffic controllers. The next change out program will consist of removing the fixed time mechanical controllers and replacing these with either vehicle actuated or fixed time solid state traffic controllers. This upgrade of existing equipment will allow a more flexible approach to traffic control and will also reduce the amount of maintenance required. The program will be ongoing and will spread over several years.

CLASSIFICATION OF HIGHWAYS

Under Part III of the "Highway Act"

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Length (km)	
				Arterial	Secondary
ABBOTSFORD (D)*	5R	Essendene Ave. & Huntington-Mission Hwy. (West Railway St.)	Arterial	0.80	---
	11R	Huntingdon-Mission Hwy.	Arterial	0.53	---
	336R	McCallum Road (East Side)	Arterial	0.37	---
	342R	McCallum Road (East Side)	Arterial	1.59	---
	402R	Trans-Canada Hwy.	Arterial	2.01	---
	403R	Huntingdon-Mission Hwy.	Arterial	4.70	---
	771R	Huntingdon-Mission Hwy. Realign.	Arterial	1.41	
	817R	Trans-Canada Hwy.	Arterial	26.90	---
	202B	No. 3 Road	Secondary	---	3.06
ALERT BAY (V)	793R	Fir Street & Poplar Road	Arterial	2.76	---
ARMSTRONG (C)	270R	Vernon-Sicamous Hwy.	Arterial	0.84	---
	272B	Pleasant Valley Rd. & Smith Dr.	Secondary	---	2.82
	296B	Armstrong-Salmon River Rd.	Secondary	---	1.55
ASHCROFT (V)	580R	Ashcroft-Cache Ck. Hwy., 1st St., Barnes Ave. & Highland Valley Rd.	Arterial	4.26	---
BELCARRA (V)		NIL			
BURNABY (D)	1R	Kingsway	Arterial	6.79	---
	17R	Lougheed Hwy.	Arterial	9.90	---
	135R	Canada Way (Grandview-Douglas Hwy.)	Arterial	4.14	---
	272R	Tenth Ave. (north half)	Arterial	2.01	---
	293R	Barnet Hwy.	Arterial	10.27	---
	376R	Trans-Canada Hwy.	Arterial	22.90	---
	414R	Simon Fraser University Access Hwy.	Arterial	3.41	---
	618R	Grandview Hwy. (Clydesdale)	Arterial	0.09	---
	663R	Gaglardi Way	Arterial	0.96	---
	739R	Marine Way	Arterial	5.80	---
	14B	North Road (west half)	Secondary	---	2.25
BURNS LAKE (V)	298R	Burns Lake-Babine Road	Arterial	0.85	---
	803R	North Francois Highway	Arterial	1.00	---
	732R	Yellowhead Highway	Arterial	22.80	---
CACHE CREEK (V)	569R	Cariboo Hwy.	Arterial	0.82	---
	643R	Trans-Canada Hwy.	Arterial	5.85	---
CAMPBELL RIVER (D)	750R	Campbell River-Gold River Hwy.	Arterial	8.99	---
	782R	Island Hwy. & Discovery Cres.	Arterial	18.78	---
	292B	Brewster Lake Road	Secondary	---	4.03
CASTLEGAR (C)	452R	Southern Trans-Provincial Hwy.	Arterial	2.86	---
	626R	Columbia Avenue	Arterial	6.08	---
	261B	Columbia Avenue	Secondary	---	3.91
CENTRAL SAANICH (D)	170R	West Saanich Road	Arterial	7.32	---
	172R	Verdier Avenue	Arterial	1.24	---
	213R	Patricia Bay Hwy.	Arterial	6.92	---
	121B	Keating Cross Road	Secondary	---	3.22
	216B	Island View Rd., Saanich Cross Rd. & Central Saanich Rd.	Secondary	---	1.06

* Key to Municipal Designation - (C) City (D) District (R) Resort (T) Town (V) Village

Classified Highways (continued)

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Length (km) Arterial	Secondary
CHASE (V)	500R	Trans-Canada Hwy.	Arterial	1.61	---
	229B	Old Trans-Canada Hwy. (Chase Business Route)	Secondary	---	2.74
	282B	Pine Street	Secondary	---	0.95
CHETWYND (D)	675R	John Hart-Peace River Hwy.	Arterial	3.83	---
	717R	Hudson's Hope Highway	Arterial	2.27	---
CHILLIWACK (D)	260R	Chilliwack Lake Road	Arterial	1.24	---
	344R	Trans-Canada Hwy.	Arterial	24.65	---
	174B	Yale Road East	Secondary	---	11.97
	277B	Vedder Mtn. Rd., Yarrow Central Rd. & Dyke Road	Secondary	---	8.14
	280B	Yale Road, Cheam Ave., Hope St., First Ave. & Broadway St.	Secondary	---	2.16
	281B	First Ave. & Broadway St.	Secondary	---	1.04
	294B	Vedder Road & Cultus Lake Road	Secondary	---	6.05
CLINTON (V)	387R	Cariboo Highway	Arterial	2.06	---
	391R	Pavilion-Clinton Road	Arterial	0.55	---
COLDSTREAM (D)	103R	Vernon-Slocan Hwy.	Arterial	14.48	---
	754R	Okanagan Hwy.	Arterial	2.03	---
COLWOOD (C)	810R	Old Island Hwy & Sooke Rd	Arterial	4.90	---
	811R	Millstream Road Extension	Arterial	4.70	---
	308B	Metchosin Road	Secondary	---	4.40
	309B	Jacklin Road	Secondary	---	0.23
	310B	Goldstream Avenue	Secondary	---	0.86
COMOX (T)	291B	Comox Ave. & Anderton Rd.	Secondary	---	2.64
	293B	Comox Ave., Pritchard Road, Balmoral Ave., & Port Augusta St.	Secondary	---	2.30
COQUITLAM (D)	167R	Brunette Street	Arterial	0.64	---
	553R	Trans-Canada Hwy.	Arterial	11.67	---
	566R	Lougheed Hwy.	Arterial	11.76	---
	578R	Barnet Hwy.	Arterial	1.93	---
	722R	Mary Hill Bypass Interchange	Arterial	1.13	---
	788R	Mary Hill Bypass	Arterial	1.08	---
	14B	North Road (east half)	Secondary	---	2.25
	115B	Clarke Road	Secondary	---	1.69
COURTENAY (C)	741R	Comox Road	Arterial	0.39	---
	804R	Island Highway	Arterial	4.10	---
	805R	Ryan Road	Arterial	2.40	---
	806R	17th St., Willemar Ave. & Cumberland Road	Arterial	1.70	---
CRANBROOK (C)	628R	Southern Trans-Provincial Hwy.	Arterial	6.07	---
CRESTON (T)	718R	Southern Trans-Provincial Hwy.	Arterial	5.36	---
	800R	Creston-Rykerts Hwy.	Arterial	0.35	---
	275B	Erickson St., 17th Ave. & 16th Ave.	Secondary	---	2.03
CUMBERLAND (V)	300B	Cumberland Rd. & Fourth St.	Secondary	---	2.59
	301B	Royston Rd.-Dunsmuir Ave.-Suttons Rd. & Comox Lake Rd.	Secondary	---	4.12
	306B	Bevan Road	Secondary	---	1.15

Classified Highways (continued)

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Length (km)	
				Arterial	Secondary
DAWSON CREEK (C)	257R	John Hart-Peace River Hwy.	Arterial	0.61	---
	363R	Alaska Hwy., Alaska Ave. & Dawson Ck.-Spirit River Hwy.	Arterial	5.18	---
	740R	Dawson Creek-Tupper Hwy (Eighth St.)	Arterial	7.07	---
	196B	Eighth St.	Secondary	---	1.72
DELTA (D)	349R	Tsawwassen Hwy.	Arterial	10.35	---
	350R	Point Roberts Hwy.	Arterial	4.57	---
	352R	Scott Road (west side)	Arterial	7.92	---
	353R	Vancouver-Blaine Hwy.	Arterial	14.76	---
	530R	Roberts Bank Road	Arterial	5.31	---
	685R	Ladner-Langley Hwy.	Arterial	13.26	---
	721R	Swenson Road	Arterial	0.93	---
	734R	Annacis Island Hwy.	Arterial	9.00	---
	746R	River Road Connector (Nor Del Interchange)	Arterial	0.61	---
	766R	Annacis Island Access Road	Arterial	0.43	---
	790R	64th Ave. & 64th Ave. Realign.	Arterial	2.00	---
	791R	72nd Ave. Extension	Arterial	1.00	---
	792R	88th Ave., Annacis Island Hwy. Connector	Arterial	3.00	---
DUNCAN (C)	281R	Trans-Canada Hwy.	Arterial	1.21	---
	282R	Trunk Rd. & Government St.	Arterial	2.01	---
	119B	Tzouhalem Rd.	Secondary	---	1.09
ELKFORD (D)	729R	Elk Valley Rd.	Arterial	8.20	---
	743R	Fording Mine Road	Arterial	15.00	---
ENDERBY (C)	36R	Vernon-Sicamous Hwy.	Arterial	1.79	---
	125B	Cliff Street	Secondary	---	0.26
ESQUIMALT (D)	472R	Craigflower Road	Arterial	2.65	---
	246B	Tillicum Road	Secondary	---	0.53
FERNIE (C)	646R	Southern Trans-Provincial Hwy.	Arterial	3.80	---
FORT NELSON (V)		NIL			
FORT ST. JAMES (V)	728R	Vanderhoof-Stuart Lake Hwy. (Douglas Ave. & Stuart Dr. W. & Germansen Landing Rd.)	Arterial	4.15	---
	738R	Tachie Road	Arterial	4.27	---
FORT ST. JOHN (C)	279R	100 St. (MacKenzie St.)	Arterial	3.43	---
	658R	100 Ave. (Centre Ave.)	Arterial	3.20	---
	682R	Alaska Highway	Arterial	4.41	---
FRASER LAKE (V)	735R	Yellowhead Highway	Arterial	2.68	---
FRUITVALE (V)	202R	Nancy Greene Lake-Rossland-Meadows Hwy.	Arterial	2.98	---
	129B	Columbia Gardens Rd.	Secondary	---	1.29
GIBSONS (T)	606R	Sunshine Coast Hwy.	Arterial	2.99	---
	226B	Gower Point Road	Secondary	---	1.95
	227B	North Road	Secondary	---	0.80

Classified Highways (continued)

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Length (km) Arterial	Secondary
GOLDEN (T)	604R	Trans-Canada Hwy.	Arterial	4.07	---
	639R	Kootenay-Columbia Hwy. (Golden Bypass)	Arterial	3.40	---
	745R	Kootenay-Columbia Hwy.	Arterial	3.90	---
GOLD RIVER (V)	677R	Muchalat Drive	Arterial	3.71	---
	678R	Gold River Road	Arterial	1.16	---
GRAND FORKS (C)	464R	Southern Trans-Provincial Hwy.	Arterial	4.80	---
GRANISLE (V)	527R	Granisle Arterial	Arterial	1.45	---
GREENWOOD (C)	619R	Southern Trans-Provincial Hwy.	Arterial	3.38	---
HARRISON HOT SPRINGS (V)	161R	Harrison Hot Springs Road and Lillooet Avenue	Arterial	4.25	---
HAZELTON (V)	590R	Hazelton Arterial	Arterial	2.40	---
	597R	Hazelton Access Road	Arterial	1.50	---
HOPE (T)	179R	Southern Trans-Provincial Hwy.	Arterial	2.65	---
	180R	Trans-Canada Hwy.	Arterial	1.69	---
	813R	Coquihalla Highway	Arterial	3.60	---
	814R	Murdoch Road	Arterial	0.09	---
	159B	Kawkawa Lake Road	Secondary	---	0.51
	160B	Sixth Avenue	Secondary	---	0.21
HOUSTON (D)	620R	Yellowhead Highway	Arterial	13.39	---
HUDSON'S HOPE (D)	520R	Peace River Canyon Road	Arterial	23.82	---
	521R	Chetwynd-Hudson's Hope-Charlie Lake Hwy.	Arterial	38.70	---
	715R	Beryl Prairie Road	Arterial	12.47	---
INVERMERE (D)	801R	Laurier St., 3rd St. & Westside Road	Arterial	2.45	---
KAMLOOPS (C)	694R	Trans-Canada Hwy.	Arterial	32.72	---
	696R	Princeton-Kamloops Hwy.	Arterial	5.67	---
	716R	Yellowhead South Hwy.	Arterial	12.59	---
	776R	Lac Le Jeune Road	Arterial	6.67	---
KASLO (V)	450R	Balfour-Kaslo-Galena Bay Hwy. & Kaslo-New Denver Hwy.	Arterial	2.99	---
	473R	Balfour-Kaslo-Galena Bay Hwy.	Arterial	1.19	---
KELOWNA (C)	691R	Okanagan Hwy.	Arterial	20.91	---
	692R	Rock Creek-Kelowna Hwy.	Arterial	9.10	---
	701R	Rutland Road	Arterial	2.76	---
KENT (D)	160R	Harrison Hot Springs Road	Arterial	3.81	---
	290R	Rockwell Drive	Arterial	6.44	---
	545R	Agassiz Bypass	Arterial	2.74	---
	588R	Lougheed Hwy.	Arterial	33.50	---
	614R	Agassiz-Rosedale Hwy.	Arterial	4.59	---
KEREMEOS (V)	438R	Southern Trans-Provincial Hwy.	Arterial	2.00	---
	439R	Keremeos-Kaleden Junction	Arterial	0.82	---
	815R	Keremeos Bypass	Arterial	0.27	---
KIMBERLEY (C)	557R	St. Mary's Lake Road	Arterial	4.02	---
	558R	Cranbrook-Kimberley-Wasa Hwy.	Arterial	9.49	---
KITIMAT (D)	277R	Terrace-Kitimat Hwy.	Arterial	6.84	---
	809R	Kitamaat Village Road	Arterial	8.83	---

Classified Highways (continued)

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Length (km)	
				Arterial	Secondary
LADYSMITH (T)	577R	Trans-Canada Hwy.	Arterial	5.07	---
	176B	Chemainus Road	Secondary	---	1.45
LAKE COWICHAN (V)	679R	South Shore Road & Lake Cowichan Road	Arterial	2.48	---
LANGLEY (C)	263R	Fraser Hwy.	Arterial	4.83	---
	576R	200th St. (Carvolth Rd.)	Arterial	0.11	---
	665R	Langley Bypass	Arterial	1.27	---
	700R	Ladner-Langley Hwy.	Arterial	2.64	---
	256B	200th St. (Carvolth Rd.)	Secondary	---	3.22
LANGLEY (D)	77R	Aldergrove-Bellingham Hwy.	Arterial	6.50	---
	259R	Ladner-Langley Hwy. & Glover Rd.	Arterial	9.66	---
	262R	Fraser Hwy.	Arterial	17.70	---
	368R	County Line Rd. (Aldergrove-Bellingham Hwy.)	Arterial	4.34	---
	380R	Trans-Canada Hwy.	Arterial	32.86	---
	445R	200th St. (Carvolth Rd.)	Arterial	5.02	---
	457R	Ladner-Langley Hwy.	Arterial	2.78	---
LILLOOET (V)	635R	Lytton-Lillooet Hwy.	Arterial	0.71	---
	662R	Nugget Road	Arterial	0.93	---
	760R	Lillooet-Pioneer Road, Main St. & Seton Lake Rd.	Arterial	3.40	---
LIONS BAY (V)	518R	Garibaldi Hwy.	Arterial	2.59	---
LOGAN LAKE (D)	753R	Mamit Lake Road	Arterial	1.27	---
	797R	Old Meadow Creek Road	Arterial	2.10	---
	798R	Meadow Creek Road	Arterial	3.60	---
LUMBY (V)	775R	Vernon-Slocan Hwy.	Arterial	3.00	---
	279B	Shuswap Ave.	Secondary	---	2.66
LYTTON (V)	108R	Lytton-Lillooet Hwy. (Sixth & Fraser Streets)	Arterial	0.45	---
	478R	Trans-Canada Hwy.	Arterial	1.21	---
	479R	Lytton S. Approach & Main St.	Arterial	1.45	---
MCBRIDE (V)	526R	Yellowhead Highway	Arterial	1.19	---
	236B	First Ave. & Main St.	Secondary	---	1.25
MACKENZIE (D)	436R	MacKenzie Hwy. & Parsnip River Rd.	Arterial	20.44	---
MAPLE RIDGE (D)	22R	Lougheed Hwy.	Arterial	20.05	---
	407R	River Rd. & 17th Ave.	Arterial	0.39	---
	689R	222nd St. & River Rd.	Arterial	2.54	---
	253B	Dewdney Trunk Rd. & 224th St.	Secondary	---	17.94
	254B	232nd St. & Fern Crescent	Secondary	---	6.44
MASSET (V)	494R	Harrison Ave., Delkatla St., Hodges Ave., Delkatla Causeway, Shore Rd. & Queen Charlotte City-Masset Rd.	Arterial	4.59	---
	640R	Tow Hill Road	Arterial	7.72	---

Classified Highways (continued)

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Length (km)	
				Arterial	Secondary
MATSQUI (D)	337R	McCallum Rd. (West side)	Arterial	1.91	---
	422R	Fraser Hwy.	Arterial	5.79	---
	671R	Huntingdon-Mission Hwy.	Arterial	8.23	---
	772R	Huntingdon-Mission Hwy. Realign.	Arterial	1.52	---
	783R	Trans Canada Hwy.	Arterial	13.80	---
	784R	Old Clearbrook Interchange Off Ramp	Arterial	0.24	---
	186B	South Fraser Way	Secondary	---	4.26
MERRITT (C)	73R	Merritt-Spences Bridge Hwy.	Arterial	1.61	---
	708R	Princeton-Kamloops Hwy.	Arterial	4.26	---
METCHOSIN (D)	807R	Sooke Road	Arterial	5.00	---
	307B	Metchosin Rd., Happy Valley Rd., Rocky Point Rd. & East Sooke Rd.	Secondary	---	10.00
MIDWAY (V)	458R	Southern Trans-Provincial Hwy.	Arterial	7.21	---
	459R	Midway-U.S. Customs Rd.	Arterial	1.98	---
MISSION (D)	23R	Lougheed Highway	Arterial	14.64	---
	25R	Lougheed Hwy. (1st Ave.)	Arterial	2.25	---
	605R	Lougheed Hwy. (N. Railway Ave.)	Arterial	2.08	---
	796R	Huntingdon - Mission Hwy.	Arterial	4.90	---
	77B	Dewdney Trunk Road	Secondary	---	24.94
	260B	Shook Road	Secondary	---	0.72
	283B	Grand St., Seventh Ave. & Cedar	Secondary	---	5.15
MONTROSE (V)	246R	Nancy Greene Lake-Rossland-Meadows Hwy.	Arterial	1.61	---
NAKUSP (V)	484R	Vernon-Slocan Hwy., Nelson Ave. & Broadway St.	Arterial	1.87	---
	540R	Nakusp-Mica Ck. Hwy. (Broadway St., 6th Ave. W. & Canyon Rd.)	Arterial	3.89	---
NANAIMO (C)	355R	Brechin Road	Arterial	1.05	---
	687R	Trans-Canada Hwy.	Arterial	10.44	---
	688R	Island Hwy.	Arterial	11.35	---
	221B	Esplanade & Front St.	Secondary	---	0.56
NELSON (C)	559R	Castlegar-Nelson-Creston Hwy.	Arterial	4.99	---
	560R	Nelson-Nelway Hwy.	Arterial	2.30	---
NEW DENVER (V)	88R	Vernon-Slocan Hwy.	Arterial	1.46	---
	291R	Kaslo-New Denver Hwy. (Sixth Ave. & Victoria St.)	Arterial	0.71	---
NEW HAZELTON (D)	709R	Yellowhead Hwy.	Arterial	7.00	---
	710R	New Hazelton Hi-Level Rd.	Arterial	0.60	---
NEW WEST-MINSTER (C)	734R	Annacis Island Highway	Arterial	1.60	---
	747R	Ewen Avenue, Pembina Street, Queensborough Bridge, including southerly & northerly approaches, Marine Drive & Sixth Avenue	Arterial	5.40	---
	765R	Annacis Island Access Road	Arterial	1.97	---
	777R	Marine Drive	Arterial	0.27	---
	812B	Patullo Bridge Approach, McBride Blvd., 10th Ave. (south half)	Arterial	5.30	---
	819R	20th Street	Arterial	0.80	---
	311B	Stewardson Way, Queens Avenue, 12th Street, Royal Ave. McBride Blvd., Columbia St. and Brunette Ave.	Secondary	---	7.35

Classified Highways (continued)

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Length (km)	
				Arterial	Secondary
NORTH COWICHAN (D)	168R	Trans-Canada Hwy.	Arterial	19.47	---
	248R	Mt. Sicker Rd., Chemainus Rd., Crofton Rd. & Chaplin Rd.	Arterial	6.76	---
	249R	Cowichan Lake Road	Arterial	5.31	---
	482R	Cowichan Valley Hwy.	Arterial	5.57	---
	723R	Tanzor Road	Arterial	0.80	---
	799R	Tzouhalem Road	Arterial	1.30	---
	169B	Chemainus Road	Secondary	---	7.88
	269B	Oak Street	Secondary	---	0.97
NORTH SAANICH (D)	411R	West Saanich Road	Arterial	9.01	---
	412R	Wains Road	Arterial	2.41	---
	416R	Lochside Drive	Arterial	0.71	---
	453R	Patricia Bay Hwy.	Arterial	6.39	---
	510R	Dolphin Rd. & Swartz Bay Rd.	Arterial	0.48	---
	585R	Canora Road	Arterial	0.97	---
	193B	McTavish Road	Secondary	---	3.54
NORTH VANCOUVER (C)	612R	Trans-Canada Hwy.	Arterial	4.81	---
NORTH VANCOUVER (D)	611R	Trans-Canada Hwy.	Arterial	12.31	---
	767R	Fern St., Mount Seymour Parkway Connector & Riverside Drive	Arterial	2.40	---
	773R	Dollarton Hwy. & Deep Cove Road,	Arterial	7.60	---
	297B	Mount Seymour Parkway	Secondary	---	3.90
OAK BAY (D)	162B	Cadboro Bay Road	Secondary	---	3.38
	290B	Cedar Hill Cross Rd.	Secondary	---	1.60
OLIVER (V)	441R	Okanagan Hwy. (First Ave.)	Arterial	1.77	---
	212B	Seventh St. & McKinney Rd.	Secondary	---	1.06
100 MILE HOUSE (V)	608R	Cariboo Hwy.	Arterial	2.40	---
	714R	Exeter Truck Route & Exeter Station Rd.	Arterial	1.23	---
	271B	Horse Lake Road	Secondary	----	0.85
OSOYOOS (T)	656R	Southern Trans-Provincial Hwy.	Arterial	5.53	---
	657R	Okanagan Hwy.	Arterial	1.60	---
	264B	Eighty-Ninth St. & Sixty-Fourth Ave.	Secondary	---	1.48
PARKSVILLE (T)	177R	Parksville-Port Alberni-Tofino Hwy.	Arterial	1.22	---
	706R	Island Highway	Arterial	3.67	---
	707R	Parksville Bypass	Arterial	1.10	---
PEACHLAND (D)	768R	Okanagan Hwy.	Arterial	11.52	---
	769R	Princeton Avenue	Arterial	5.73	---
PEMBERTON (V)	761R	Pemberton Meadows Road and Pemberton Portage Road	Arterial	1.67	---
	762R	Garibaldi Hwy. & Pemberton Portage Road	Arterial	7.40	---
PENTICTON (C)	634R	Okanagan Hwy.	Arterial	8.46	---
	638R	Martin St.	Arterial	1.10	---
	650R	Penticton Channel Parkway	Arterial	6.24	---
	763R	Penticton Channel Parkway	Arterial	1.16	---

Classified Highways (continued)

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Length (km) Arterial	Secondary
PENTICTON (C) (continued)	135B	Penticton-Naramata Road	Secondary	---	8.85
	273B	South Main St. & Lakeside Dr.	Secondary	---	6.18
PITT MEADOWS (D)	21R	Lougheed Highway	Arterial	5.20	---
	74B	Harris Road	Secondary	---	2.74
	75B	Hammond Road	Secondary	---	1.45
	78B	Harris Road	Secondary	---	3.06
	79B	McNeil Road	Secondary	---	3.22
	92B	Old Dewdney Trunk Road	Secondary	---	5.63
PORT ALBERNI (C)	33R	Parksville-Port Alberni-Tofino Hwy.	Arterial	2.90	---
	152R	Parksville-Port Alberni-Tofino Hwy. (River Road)	Arterial	2.57	---
	39B	Beaver Creek Road	Secondary	---	0.69
PORT ALICE (V)		NIL			
PORT CLEMENTS (V)	733R	Queen Charlotte City-Masset Rd.	Arterial	2.62	---
	744R	Cedar Ave., Jasper St., Bayview Dr., Bayview Crescent & Juskatla Bay Road	Arterial	4.20	---
PORT COQUITLAM (C)	594R	Lougheed Hwy.	Arterial	5.23	---
	673R	Mary Hill Bypass	Arterial	2.42	---
	788R	Mary Hill Bypass	Arterial	3.87	---
	288B	Pitt River Rd., McLean Ave. & Kingsway Ave.	Secondary	---	3.96
PORT EDWARD (V)	599R	Port Edward-Cassiar Cannery Rd.	Arterial	14.24	---
	686R	Yellowhead Highway	Arterial	27.00	---
PORT HARDY (D)	504R	Hardy Bay Road	Arterial	3.96	---
	506R	Island Highway	Arterial	2.29	---
	621R	Byng Road	Arterial	3.03	---
	713R	Island Highway	Arterial	9.40	---
	737R	Douglas St. & Holberg Rd.	Arterial	4.50	---
	240B	Airport Rd.	Secondary	---	2.67
PORT MCNEILL (T)	507R	Campbell Way	Arterial	1.93	---
PORT MOODY (C)	200R	Barnet Highway	Arterial	6.32	---
	632R	Ioco Road	Arterial	4.25	---
	116B	Clarke Road	Secondary	---	1.29
	265B	Heritage Mountain Boulevard	Secondary	---	2.21
POUCE COUPE (V)	602R	Dawson Creek-Tupper Hwy.	Arterial	1.43	---
POWELL RIVER (D)	397R	Wharf Street	Arterial	0.14	---
	603R	Sunshine Coast Highway (Marine Ave., Ash Ave., Poplar St., Arbutus Ave. & Lund St.)	Arterial	14.48	---
	143B	Duncan Street	Secondary	---	2.74
PRINCE GEORGE (C)	698R	Cariboo Hwy. & John Hart-Peace River Hwy.	Arterial	27.75	---
	699R	Aitcheson Rd. & Airport Rd.	Arterial	3.75	---
	786R	Yellowhead Highway	Arterial	27.18	---
	818R	New Fraser River crossing and Yellowhead Hwy. Realignment	Arterial	2.75	---

Classified Highways (continued)

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Length (km) Arterial	Secondary
PRINCE RUPERT (C)	487R	Co-op Rd., Park Ave., Second Ave. McBride St. & Yellowhead Hwy.	Arterial	15.05	---
	730R	Ridley Island Access Road	Arterial	6.73	---
PRINCETON (T)	586R	Princeton-Kamloops Hwy.	Arterial	2.11	---
	587R	Tulameen Road	Arterial	2.99	---
	589R	Southern Trans-Provincial Hwy.	Arterial	3.54	---
	203B	Bridge Street	Secondary	---	0.64
QUALICUM BEACH (T)	94R	Island Highway	Arterial	5.25	---
	154R	Alberni Road, Second Ave., & Memorial Ave.	Arterial	2.57	---
	435R	Island Hwy. (Qualicum Beach Diversion)	Arterial	2.56	---
QUESNEL (C)	533R	Ewing St. & Fraser River Bridge	Arterial	0.39	---
	591R	Elliott St. & Blackwater Rd.	Arterial	2.04	---
	703R	Barkerville Highway	Arterial	0.15	---
	748R	Anderson Dr., Marsh Dr., Moffat Bridge & Approaches	Arterial	3.85	---
	822R	Cariboo Highway	Arterial	11.30	---
REVELSTOKE (C)	756R	Trans-Canada Hwy.	Arterial	8.80	---
	757R	Nakusp-Mica Creek Hwy.	Arterial	8.20	---
	758R	Victoria Road,Wright St., Douglas St., Wilson St. & Big Eddy Road	Arterial	2.60	---
	295B	Victoria Road, Railway Avenue Fourth St., Townley St. & Revelstoke Eastern Access	Secondary	---	4.50
RICHMOND (D)	295R	Sea Island Highway	Arterial	1.50	---
	301R	Vancouver-Blaine Hwy.	Arterial	10.03	---
	343R	Westminster Hwy.	Arterial	10.38	---
	564R	Knight Street	Arterial	7.11	---
	734R	Annacis Island Hwy.	Arterial	1.30	---
	234B	No. 3 Rd. & Bridgeport Rd.	Secondary	---	3.70
ROSSLAND (C)	418R	Nancy Greene Lake-Rossland-Meadows Hwy.	Arterial	1.69	---
	622R	Rossland-Paterson Hwy. & Nancy Greene Lake-Rossland-Meadows Hwy.	Arterial	4.02	---
SAANICH (D)	529R	West Saanich Rd. & Royal Oak Dr.	Arterial	8.93	---
	538R	Trans-Canada Hwy.	Arterial	4.38	---
	660R	Patricia Bay Highway	Arterial	14.55	---
	661R	Trans-Canada Hwy.-Patricia Bay Highway Connector	Arterial	0.85	---
	681R	McKenzie Ave.	Arterial	2.08	---
	148B	Tillicum Road	Secondary	---	0.14
	154B	Gorge Road	Secondary	---	2.74
	237B	Quadra Street	Secondary	---	4.99
	238B	West Saanich Rd.	Secondary	---	1.21
SALMO (V)	668R	Southern Trans-Provincial Hwy.	Arterial	1.05	---
	669R	Nelson-Nelway Hwy.	Arterial	1.02	---
	670R	Fourth Street	Arterial	0.58	---
SALMON ARM (D)	655R	Grindrod-Salmon Arm Hwy.	Arterial	5.50	---
	683R	Trans-Canada Highway	Arterial	22.43	---
	23B	Salmon Arm-Enderby	Secondary	---	1.11
	24B	Salmon Arm-Enderby	Secondary	---	6.76
	80B	Salmon Arm-Enderby	Secondary	---	0.34
	217B	Salmon Arm-Grand Prairie Rd.	Secondary	---	9.98

Classified Highways (continued)

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Length (km)	
				Arterial	Secondary
SAYWARD (V)	693R	Sayward Highway	Arterial	4.38	---
SECHELT (V)	244R	Porpoise Bay Road	Arterial	1.05	---
	320R	Sunshine Coast Highway	Arterial	1.58	---
SIDNEY (T)	292R	Ocean Avenue	Arterial	0.29	---
	388R	Patricia Bay Highway	Arterial	3.03	---
	389R	Lochside Dr. & Fifth St.	Arterial	1.67	---
	390R	Beacon Avenue	Arterial	0.53	---
	194B	Fifth St., Malaview Ave. & Resthaven Drive	Secondary	---	2.86
	207B	First St. & Beacon Ave.	Secondary	---	0.85
	228B	McDonald Park Rd. (E. half)	Secondary	---	0.40
SILVERTON (V)	443R	Vernon-Slocan Highway	Arterial	0.95	---
SLOCAN (V)	581R	Vernon-Slocan Highway	Arterial	0.07	---
SMITHERS (T)	781R	Yellowhead Highway	Arterial	4.15	---
SPALLUMCHEEN (D)	271R	Vernon-Sicamous Hwy.	Arterial	21.73	---
	806R	Vernon - Kamloops Highway	Arterial	6.10	---
	171B	Armstrong-Salmon River Hwy.	Secondary	---	11.83
	299B	Pleasant Valley Road	Secondary	---	4.79
SPARWOOD (D)	448R	Corbin Road	Arterial	1.13	---
	724R	Southern Trans-Provincial Hwy.	Arterial	26.71	---
	755R	Elk Valley Road	Arterial	4.52	---
SQUAMISH (D)	399R	Darrel Bay Road	Arterial	0.32	---
	406R	Alice Lake Road	Arterial	0.58	---
	648R	Garibaldi Highway	Arterial	29.00	---
	649R	Squamish Valley Road	Arterial	5.25	---
	284B	Mamquam (Garibaldi Park) Rd.	Secondary	---	3.82
STEWART (D)	584R	Stewart-Meziadin Lake Hwy.	Arterial	17.06	---
SUMMERLAND (D)	770R	Okanagan Hwy.	Arterial	11.53	---
	289B	Fish Lake Road	Secondary	---	1.74
	302B	Prairie Valley Road	Secondary	---	7.19
SURREY (D)	114R	Campbell River Road	Arterial	1.61	---
	125R	Ladner-Langley Hwy.	Arterial	10.04	---
	139R	Scott Road	Arterial	11.33	---
	269R	Ladner-Langley Hwy.	Arterial	4.46	---
	314R	Old Yale Rd. & Bridge Rd.	Arterial	1.21	---
	371R	Vancouver-Blaine Hwy.	Arterial	22.93	---
	379R	Trans-Canada Hwy.	Arterial	22.56	---
	384R	King George Hwy.	Arterial	27.02	---
	385R	Fraser Hwy.	Arterial	14.08	---
	455R	Ladner-Langley Hwy.	Arterial	0.97	---
	554R	Pacific Highway	Arterial	19.20	---
	150B	Campbell River Road	Secondary	---	2.41
	151B	Marine Dr., Stevenson Rd. & Crescent Road	Secondary	---	9.25
	182B	152nd St. (Johnston Road)	Secondary	---	2.41
TAHSIS (V)		NIL			
TAYLOR (V)	601R	Alaska Highway	Arterial	4.41	---
	161B	Taylor-Peaceview Road	Secondary	---	1.53

Classified Highways (continued)

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Length (km) Arterial	Approximate Length (km) Secondary
TELKWA (V)	440R	Yellowhead Highway	Arterial	2.30	---
	749R	Telkwa High Road & Tyee Rd.	Arterial	1.11	---
	286B	Telkwa Coal Road	Secondary	---	1.60
	303B	Lawson Road	Secondary	---	0.75
TERRACE (D)	570R	Kalum Lake Road	Arterial	3.22	---
	595R	Yellowhead Highway	Arterial	5.95	---
TOFINO (D)	780R	Alberni-Tofino Hwy.	Arterial	9.01	---
TRAIL (C)	704R	Paterson-Rossland-Castlegar Highway	Arterial	2.02	---
	711R	Smelter Hill Road	Arterial	2.64	---
	789R	Rossland Ave., Victoria St., Columbia River Bridge, Bailey St., and Nancy Greene Lake-Rossland Meadows Hwy.	Arterial	8.25	---
	285B	Warfield Hill Road	Secondary	---	2.53
TUMBLER RIDGE (D)	726R	Chetwynd-Tumbler Ridge Rd.	Arterial	29.00	---
	727R	Heritage Highway	Arterial	39.00	---
UCLUELET (V)	192R	Tofino-Ucluelet Road (Peninsula Rd. & Main St.)	Arterial	1.82	---
VALEMOUNT (V)		NIL			
VANCOUVER (C)	375R	Trans-Canada Highway	Arterial	1.56	---
VANDERHOOF (D)	778R	Yellowhead Highway	Arterial	25.10	---
	779R	Burrard Ave. & Loop Road	Arterial	6.12	---
	816R	CNR Grade Separation & Aproaches & Stewart St. Connection	Arterial	1.65	---
	298B	Kenney Dam Road	Secondary	---	3.60
VERNON (C)	573R	Okanagan Highway	Arterial	6.41	---
	684R	Vernon-Slocan Highway	Arterial	2.85	---
	251B	Twenty-Seventh St.	Secondary	---	1.85
VICTORIA (C)		NIL			
WARFIELD (V)	623R	Nancy Greene Lake-Rossland Meadows Hwy.	Arterial	2.59	---
WEST VANCOUVER (D)	89R	Marine Drive Addition	Arterial	0.16	---
	250R	Taylor Way	Arterial	1.13	---
	289R	Garibaldi Hwy.	Arterial	5.31	---
	372R	Marine Drive	Arterial	0.80	---
	613R	Trans-Canada Hwy.	Arterial	30.83	---
WHISTLER (R)	759R	Garibaldi Highway	Arterial	27.00	---
WHITE ROCK (C)	149B	Marine Drive	Secondary	---	5.02
WILLIAMS LAKE (C)	659R	Chilcotin-Bella Coola Hwy.	Arterial	3.12	---
	736R	MacKenzie Avenue	Arterial	7.40	---
	774R	Cariboo Highway	Arterial	6.09	---
ZEBALLOS (V)	196R	Zeballos Road	Arterial	1.61	---
			TOTALS	2,099.91	343.40

REPORT OF THE HIGHWAY SAFETY ENGINEER

J. Lisman, P. Eng.

In 1985 the work of the Branch followed what has now become an established pattern of increased investigation of accident histories at road sites to answer questions and prescribe countermeasures.

These investigations followed three general lines; the most detailed were those involving legal action against the Crown, in which the claim frequently was made that road circumstances had either precipitated or contributed to the severity of the accident. A second set of investigations were for sites in which new signals or increased traffic control was being proposed. For these, accident patterns were scrutinized to determine whether such changes would be beneficial, and where this was apparent the modifications were arranged. Generally, however, most investigations of accident records were prompted by fatal accident reports by the police, letters from citizens, and newspaper accounts of problem areas.

The working time spent on these investigations was considerable, and actions were taken to simplify and speed up the process to enable the Branch to match the growing need for information.

The design and construction of three major highway projects, Coquihalla, Annacis Crossing, and Richmond Freeway, demanded the steady input of safety engineering details. On the Coquihalla Route the decision was taken to install concrete median barrier throughout the length of the narrow median, and this required the design of some units which could be more readily removed during heavy avalanche periods. The shoulder barriers were also modified to allow for side discharging drains at frequent intervals. It is expected that further additions will continue to be made to the concrete barriers on the Coquihalla after the highway has opened, as it is easier to determine the need for these features from on-site inspections rather than from drawing layouts.

In the lower Mainland, impact attenuators, sometimes called crash cushions, were designed into several locations where it is predicted vehicles might strike the ends of concrete barriers. Detailed design changes were made to create gore areas which will be freer of structures and impediments to those vehicles which leave the highway accidentally. The philosophy behind this work is that vehicle occupants should not be subject to fatal or serious injury accidents from running off the roadway, but should have their accident severity reduced by detailed engineering specifically built into the physical system.

During the 85/86 fiscal year, the Highway Safety Branch administered 52 sub-projects to up-grade places considered difficult or hazardous for road-users. Adding to the work of previous years, 20 sub-projects provided improved facilities for school children attending rural schools. This program continues to meet a steady demand with more children walking or cycling to school.

The basic document used by police for reporting the location of rural accidents is the Highway Landmark Kilometre Inventory, which has become seriously out-of-date. A technique was developed to use micro-computers at District offices to transcribe accurate road data, collected by the Maintenance Systems' staff, into a new inventory. This will produce a much more precise and detailed version, which should make it easier for the police to report accident locations with greater accuracy. In turn this will improve our ability to diagnose road hazards and prepare remedies.

The Highway Safety Engineer continued to serve on the Provincial Standing Committee on Traffic Safety, and the Federal-Provincial Committee dealing with Traffic Safety Programmes.

EXPENDITURES

C0202	Roadside Hazard Elimination	119,905.66
C0203	Intersection Improvements	77,026.72
C0204	School Route Improvements	176,158.31
C0205	General Safety Works	80,460.50
C0207	Kilometre Reference Markers	8,404.50
C0209	General Expenses	162,044.64
	TOTAL	$624,000.33

REPORT OF THE DIRECTOR OF CONSTRUCTION

N.R. Zapf

During the year ending March 31, 1986, the Construction Branch was responsible for administering 143 major projects. Of this number 32 were undertaken by day labour, nine by a combination of day labour and contract, and the remaining 103 by contract. Fifty-five of the contracts continued from the previous year while 51 were awarded in 1985 and five were in the tender stage at year end. The total expenditure for the 1985/86 fiscal year is expected to be about $370,000,000. These statistics represent all time highs for the Branch for the second year in a row and represents an extremely active year for both the Ministry and Contractors.

Excellent progress occurred on all projects as a result of a very dry summer construction season and favourable 1985/86 winter on the lower mainland. Of notable interest, Annacis route construction continued all winter in preparation for opening in mid-1986. All Hope-Merritt contracts were virtually complete by the end of 1985. Work continued all winter on Abbotsford-Hope projects as well.

Currently both the Coquihalla Phase 1 (Hope-Merritt) and Annacis projects are on schedule for mid-1986 opening.

Significant progress on four-laning the Okanagan Highway resulted during the year. The Westbank Couplet was completed and the Vernon-Old Bailey Road section is nearing completion. Two major sections were started this year: Westbank to Kelowna and Old Bailey Road to Oyama, making a total of 27.1 km of Okanagan Highway under construction.

The three debris basins and dams to control the mud flows at Magnesia, Harvey and Charles Creeks along the Squamish Highway are now completed, virtually eliminating the constant threat to people, property, and transportation facilities. Three additional projects at Lions Bay are now well underway to complete creek control works below the debris dams and along Alberta Creek. As well, the Lions Bay Interchange, a new bridge at Newman Creek, and some four-laning at Highway 99 will be constructed under the two projects.

Major progress on the new Annacis Highway route resulted from a concentrated construction effort all year. In previous years, progress was limited mostly to dredging to supply sand for grade construction or for soil stabilization work. During the last year grade construction was underway throughout the entire route and was completed, with grading construction completed in the Fall. Construction has now moved into the final stage of surcharge removal, gravelling, and paving construction.

At fiscal year-end five new contracts were well underway on the main freeway and four other projects were started for grading and paving connector roads to the main freeway. A contract was also well underway to complete the relocation of the Burlington Northern and British Columbia Railways. The Cliveden Interchange area on Annacis Island was completed this year marking the first section of new freeway completed. During the last four years construction has been underway to widen Marine Way to four lanes in Burnaby and New Westminster. Construction was completed this year on these very difficult projects to handle Annacis traffic at the North end of Queensborough Bridge.

During the year there were 24 active contracts and 41 active projects. In previous years there were 12 contracts and 21 projects completed. Total grading cost of the Annacis Freeway is expected to be about $140,000,000. Construction is on schedule for completion in mid-Summer 1986.

Opening of the new Annacis Freeway and bridge will greatly improve the transportation network in the southern part of the Lower Mainland by providing a much needed fourth crossing of the Fraser River.

To compliment the Annacis Freeway and to provide a connection from the Annacis Freeway in eastern Richmond to Knight Street and Highway 99, a major decision was made to construct the Richmond East-West Freeway. This Freeway will extend from the Hamilton Interchange on the Annacis System to Highway 99 as well as upgrading Knight Street to six lanes in Richmond. A major feature of the Richmond East-West Freeway will be two massive and complex interchanges at Knight Street and Highway 99. Work was well underway this year with nine contracts from Hamilton Interchange to Jacombs Road including Knight Street. Next year the final contracts from Knight Street to Highway 99 will be called. All grading contracts include grading, gravelling, and paving. Completion is tentatively scheduled for late 1988.

In 1984, the Government accelerated construction of the Coquihalla Highway. This was an enormous undertaking calling for completion of 115 km of freeway in mountain terrain in just 20 months. Considering the time frame the project was probably the largest road building project in North America. So extensive and unique is the project that numerous trade magazines have highlighted construction over the last year. With the accelerated grade construction over 95% complete, the Hope-Merritt section is on schedule for completion in mid-1986. As well, the Abbotsford-Hope projects will also be complete to provide a four-lane freeway from Vancouver to Merritt.

The next phase of the Coquihalla Highway from Merritt to Kamloops was started last year with only two contracts. A major start on the Merritt-Kamloops section was made late this year by tendering and awarding 22 contracts. Construction is progressing well on all crushing, clearing and grubbing projects, and at year-end there were several major grading projects well underway. With better weather later in the spring, construction will be well underway from Merritt to Kamloops with completion scheduled for late 1987.

Future plans call for a highway extension to Peachland in the Okanagan Valley from Merritt to complete the new Southern Interior transportation infrastructure.

A total of 59 Coquihalla contracts were active this year with 24 on the Merritt-Kamloops section, five on the Abbotsford-Hope section, and 29 on the Hope-Merritt section, and the Merritt-Peachland Connector. Additionally, another nine day labour projects are underway to make a total of 68 active projects on the Coquihalla this year. In previous years, eight projects were completed.

The Coquihalla Route proceeds through the coastal Cascade Mountains via the Coquihalla River and Boston Bar Creek Valleys to 4,100 ft. summit, and then follows the Coldwater River Valley to Merritt. From Merritt, the highway follows the Nicola Valley, then heads north up the steep Clapperton Valley to the high Fraser Plateau. Following along the Sussex Lakes and Meadow Creek to Lac Le Jeune at about 4,400 ft., with two summits at 4,700 ft., the route then descends to Kamloops, where it joins the existing Trans-Canada Highway.

Construction for the Hope-Merritt section means roadbuilding the narrow mountain valleys and along and over mountains representing a massive and complex construction and engineering challenge. Over 30 major river diversions, bridges, and pipeline relocations are necessary to create a roadway alignment. Avalanches, earth slides, and mud flows must be stopped from affecting the completed roadway; hence, major works were required to control nature. Avalanche berms, snowsheds, debris torrent basins, and slide stabilization, are included in the construction to protect the highway. Use of the highest retaining walls in Canada, rock cuts several hundred feet high, over 50 major multiplates, and major rock stabilization techniques are a few of the measures being used through this difficult area. Construction has to be undertaken with all possible protection measures to ensure minimum impact on the environment, especially the fisheries. These were a few of the many challenges undertaken.

Only five major contracts were awarded during 1984 for the Hope-Merritt section, with the remaining 26 contracts awarded in late 1984 or early 1985. To complete the Hope-Merritt section by mid-1986, the Ministry and Contractors put forth a total effort to see that all grading construction was carried out by mid-fall 1985. All Contractors worked throughout the winter, and then around the clock during the year with all available equipment. Many contractors completed ahead of schedule, and all contracts except two were completed on schedule. The two remaining contracts were completed during the Winter.

Paving was started on many completed projects ahead of schedule in August and continued until the cold weather in November. In the spring, paving construction continued on all projects uninterrupted.

When the Coquihalla Highway has been completed from Hope to Kamloops and from Abbotsford to Hope, there will be a continuous four-lane route from Horseshoe Bay to Kamloops, a distance of 380 km and a continuous freeway from Vancouver to Kamloops, a distance of 360 km.

The following gives a breakdown of contract by type, being carried out this year:-

	Two-Lane	Four-Lane	Total
Urban Reconstruction/Relocation	4	10	14
Urban New Route	2	19	21
Rural Reconstruction/Relocation	5	12	17
Rural New Route	0	33	33
Other	-	--	27
	11	101	112

Includes 59 Coquihalla Contracts and 32 Annacis Contracts

PROJECT SUMMARY AND DISTANCES

Number of Projects	143
Number of Contracts	112
km Under Construction	366.5
km Two-Lane Road Built	18.7
km Four-Lane Road Built	114.2
Two Lane Paved	65.0

QUANTITIES

Clearing and Grubbing	1,150 ha
Excavation - Rock	5,234,000 m^3
Excavation - Other Materials	21,718,000 m^3
Select Granular Sub-Base	4,471,000 t
Crushed Granular Base and Surfacing	3,121,000 t
Asphaltic Concrete	221,000 t

All of these quantities are all time highs for Construction Branch.

GENERAL PROGRAM

Project Number	Location and Description	Hwy. No.	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-0282	John Hart-Peace River Highway: Azouzetta - Garbitt Tunnel	97	13.3	May/83	Sept/85	100	Reconstruction of the Hart Highway, including paving. Final paving was completed this year.
C-0916	93 Mile - Little Fort Highway:	24	8.4	Apr/83	Sept/85	100	Final slide remedial work completed. Primary completion last year.
C-1684	Yellowhead Highway Construction	16	3.1	June/83	Aug/85	100	Final rock stabilization and cleanup done. Primary completion and opening last year.
C-1723	Cassiar Highway: Construction	37	18.6	May/83	Oct/85	100	Slide Repair. Paved last year.
C-1743	Cape Horn Pitt River Highway Contract No. 5 Mary Hill Bypass, Stage 2. Roadworks Connector to Broadway	—	4.9	May/83	—	98	Four-laning of Mary Hill By-Pass. Grading and paving complete. Only minor cleanup remains.
C-1841	Lougheed Highway: Cape Horn Interchange - Colony Farm	7	5.3	Oct/83	—	98	Grading and paving completed last year. Landscaping.
C-2135	John Hart - Peace River Highway	97	14.1	May/84	—	50	Reconstruction and re-alignment. Construction is being done slowly in stages due to soft soil area. Some grading and wick drain construction this year.
C-2431	Okanagan Highway: Gorman's Mill	97	3.6	Mar/84	Oct/85	100	Four-laning through Westbank, including Westbank Couplet. Including several kilometres of connector road reconstruction.
C-2593	Squamish Highway 99: Harvey Creek and Magnesia Creek Debris Control Facilities	99	-	June/84	Oct/85	100	On Harvey Creek and Magnesia Creek a dam and basin were constructed to control the well known mud flows and to protect life and property. Included was a major relocation of the Village of Lions Bay main waterworks system.
C-2594	Squamish Highway 99: Charles Creek Debris Control Facility	99	-	June/85	June/85	100	A dam and basin on Charles Creek to control mud flows.
C-2819	Okanagan Highway: Bailey Road - Vernon Reconstruction	97	11.1	Dec/84	—	75	A major excavation project to four-lane Highway 97 South of Vernon.

GENERAL PROGRAM (continued)

Project Number	Location and Description	Hwy. No.	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-3027	**Squamish Highway 99: Newman Creek Channelization Bridge and Approaches**	99	0.8	Oct/85	—	30	A complex and difficult project to widen Highway 99 to four lanes, construct the new Newman Creek Bridge, and to channelize Newman Creek to control the creek during heavy rains. Specialized rock construction techniques are necessary to construct the highway and bridge on the steep mountain rock slope.
C-3036	**Lions Bay Interchange and Harvey Creek Stabilization**	99	0.7	Oct/85	—	35	Completion of Harvey Creek mud control works below the Harvey debris torrent structure as well as constructing the complex Lions Bay Interchange which includes three bridges.
C-3238	**Beck Road ByPass Phase II: Beck-Immel**	11	1.76	July/85	—	60	Continuation of constructing a four lane route around Abbotsford from the Fraser Highway to the Abbotsford-Mission Highway. Construction has been slowed by many utility relocations.
C-3246	**Okanagan Highway 97: Penticton-Summerland Test Fill**	97	-	May/85	Feb/86	100	Construction of a test fill in a bay of Okanagan Lake to determine the feasibility of four-lane construction.
C-3353	**Cassiar Highway 37: Cousins Creek Multiplate Installation**	37	0.7	July/85	Nov/85	100	Multiplate installation and related roadway construction.
C-3432	**Okanagan Highway 97: Reconstruction of East Boundary Road and Lower Boucherie Road**	97	1.8	Oct/85	—	15	Grading & paving construction of the new connector road system just north of Westbank. The new connector road system will provide smooth traffic flow in the area following four lane construction of Highway 97.
C-3433	**Okanagan Highway 97: Reconstruction: Westbank to North Boundary of Indian Reserve No. 9**	97	3.7	Oct/85	—	5	Grading and paving construction to four lane this section of Highway 97 . Following completion, Highway 97 will be four-laned from south of Westbank to the floating bridge.
C-3619	**Okanagan Highway 97: Oyama - Bailey Road**	97	7.0	Feb/86	—	5	A major excavation project to four-lane Highway 97. Include grading and paving. Only minor works have been completed to date.

GENERAL PROGRAM (continued)

Project Number	Location and Description	Hwy. No.	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-3577	Vanderhoof: Fourth Street Extension	16	2.5	Mar/86	—	0	Construction of a new route from Highway 16 over the C.N.R. to provide a new continuous route through Vanderhoof. Just tendered at year end.
C-3753	Alberta Creek Channelization and Bridges	—	-	Mar/86	—	0	Channelization of Alberta Creek for debris control. Includes five bridges over the channelization work. Tendered at year end.
C-3753 -0001	Brunswick Beach Pit Crushing	—	-	Mar/86	—	0	Crushing aggregates for the Alberta Creek Channelization and Alberta Creek Bridge projects. Tendered at year end.

FRASER RIVER CROSSING: HIGHWAY 99 TO QUEENSBOROUGH CROSSING
(Projects are listed from North to South)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
A. North End of Queensborough Bridge						
C-1121	Marine Way: Construction Byrne Road - Queensborough Bridge	2.7	Apr/82	July/85	100	Continuation of four-laning Marine Way completion to preliminary gravel involves hogfuel highway construction. Included many utility relocations.
C-2380	Marine Way: Queensborough Bridge - Sixth Avenue	1.5	May/84	—	95	Grading and paving to realign and reconstruct Marine Way through New Westminster to handle Annacis traffic off the North end of Queensborough Bridge.
C-3722	Marine Way: 20th Street: Storm Sewer Relocation	-	Feb/85	—	10	Relocation of New Wewstminster's main storm sewer on 20th Street as part of Marine Way construction.
C-2681	Marine Way: Greenall - Queensborough Bridge	5.4	Sept/84	July/85	100	Gravelling and paving of Marine Way.
C-3087	North End of Queensborough Bridge, [illegible]h Avenue Extension and 18th Street	1.1	July/85	Nov/85	90	Grading and paving of local street network to conform with the Marine Way reconstruction.
B. Queensborough Area (Lulu Island)						
C-2413	Queensborough Industrial Loop Road	3.3	Dec/83	—	95	Grading and surcharging. Included are many utility relocations.
C-2616	Ewen Avenue Paving	3.6	Sept/84	Oct/85	100	Repaving of Ewen and Pembina Streets in New Westminster. Some initial paving of Annacis system.
C-2619	Wick Drain Installation Queensborough	-	Nov/84	Mar/85	100	Special foundation stabilization to allow high approach fill at the future Howes and Hamilton Interchanges.
C-2957	Wick Drain Installation, Queensborough Connector and Utility Corridor Surcharges	-	Feb/85	July/85	100	Installation along Queensborough Connector and utility corridor surcharges to stabilize the soils.
C-2624	Gilley Sewer Relocation	-	Aug/84	June/85	100	Relocation of a major G.V.R.D. sewer.
C-2625	Gilley Watermain Relocation	-	Aug/84	July/85	100	Relocation of Richmond's watermain.

FRASER RIVER CROSSING: HIGHWAY 99 TO QUEENSBOROUGH CROSSING (continued)
(Projects are listed from North to South)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-2656	Mainline: Queensborough Bridge - Boundary Bridge Approach	2.4	May/84	July/85	100	Grading and surcharging using dredged sand.
C-2597	Mainline: Boundary Bridge Approach Fills	0.6	July/84	July/85	100	Grade construction and surcharge of approach fills. Includes hogfuel fill construction and sand surcharge.
C-2900	Mainline: Boundary Bridge Approach - Richmond Connector	0.8	Oct/84	Oct/85	100	Grading and surcharging.
C-2693	Mainline: Richmond Connector Annacis East Channel Bridge	0.6	Sept/84	Aug/85	100	Grading and surcharging of high approach fill to Annacis Channel East Bridge. Includes hogfuel fill construction.
C-2817	Richmond Connector	3.6	Nov/84	Aug/85	100	Grading and surcharging using hogfuel and dredged sand.
C-3026	Sand Supply: Queensborough Area	-	Apr/85	Aug/85	100	Supplying sand to freeway grade in the Queensborough area.
C-2964	Mainline: Queensborough Bridge to Boundary Road and Industrial Loop Road.	5.73	Sept/85	—	85	Surcharge removal, gravelling, paving and electrical construction to complete the Freeway in mid-1986. On schedule.
C-3409	Mainline: Boundary Road - - Annacis East Channel Bridge and Richmond Connector	7.03	Nov/85	—	40	Surcharge removal, gravelling, paving and electrical construction to complete the Freeway in mid-1986. On schedule.
C. Annacis Island Section						
C-1775	Annacis Island Grading	3.3	June/83	Nov/85	100	Grading of the Cliveden Interchange and freeway on Annacis Island. Included was a B.C. Hydro rail relocation. Work this year was completing a fish habitat reclamation area.
C-2342	Annacis Island, Sewer Relocation	-	June/83	June/85	100	Relocating a major G.V.R.D. sewer line to allow grading to be completed.
C-2493	Annacis Island, Watermain Relocation	-	Jan/84	Oct/85	100	Relocating a major watermain to allow grading to be completed.
C-2877	Annacis Island, Gravelling and Paving	2.0	Feb/85	—	95	Grading and paving of Cliveden Interchange and freeway. Only minor work remaining is to tie in to bridge. First section of the Annacis System is virtually complete.

FRASER RIVER CROSSING: HIGHWAY 99 TO QUEENSBOROUGH CROSSING (continued)
(Projects are listed from North to South)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
D. South Side						
C-2494	**Mainline:** South Abutment to Burns Bog and NorDel Interchange	2.5	June/84	July/85	100	Grading of the NorDel Interchange from previously stockpiled sand. Included was special surcharging of the main bridge south abutment.
C-2620	**Mainline:** NorDel to 64th Interchange	2.6	July/84	July/85	100	Placing hogfuel and then previously dredged sand on grade including surcharging. Included 72nd Avenue construction.
C-2931	**Mainline:** South Abutment to 64th Interchange and NorDel Interchange	6.5	Aug/85	—	80	Surcharge removal, gravelling, paving, and electrical construction to complete the Freeway in mid-1986. On schedule. Includes 72nd Avenue Connection to the Annacis Freeway.
C-2495	**84th Avenue Connector:** NorDel Overhead to B.N.R. Overhead	0.7	Feb/84	Aug/85	100	Grading over a very soft peat area. Road is constructed of a hogfuel core and then sand surcharged. Settlements of up to 3 m (10 feet) have taken place.
C-3003	**84th Avenue Connector:** B.N.R. Overhead to 112th Street	2.2	Sept/84	—	50	Grading and paving of a four lane route to connect the North Delta area to the Annacis Freeway.
C-2770	**72nd Avenue** B.N.R. Overpass Approach Fills	0.4	June/84	July/85	100	High approach fill construction with a hogfuel fill and then a sand surcharge over a very soft peat area.
C-2679	**Dredging:** 64th Interchange	-	July/84	May/85	100	Sand was dredged from Fraser River to 64th Interchange. A novel system was used where sand was dredged to NorDel Interchange and then conveyed to 64th Interchange (2 km).
C-2807	**64th Avenue:** B.N.R. Overhead to Firehall	1.9	Sept/85	—	60	Grading and paving of a four lane route to connect 64th Avenue to the Annacis Freeway.
C-2689	**Mainline:** 64th Avenue - Highway 10 Including B.N.I. Relocation	5.2	Sept/84	Oct/85	100	Mainline and B.N.I. relocation grading using hogfuel and dredged sand. Included a vast amount of wick drain installation to hasten settlement and stabilize the soils.
C-2786	B.N.I./B.C.R. Track Relocation Mud Bay to Highway 10	2.6	Sept/84	May/85	100	Grading and surcharging of new B.N.R. and B.C.R. grade using trucked sand from Tilbury Island sand stockpile.

FRASER RIVER CROSSING: HIGHWAY 99 TO QUEENSBOROUGH CROSSING (continued)

(Projects are listed from North to South)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-3090	B.N.I/B.C.R. Track Relocation	5.3	Nov/85	—	65	Placement of ballast, track, and communication equipment on the previously prepared grade.
C-3089	Mainline: 64th Avenue to Highway 10; and B.N.I./B.C.R Track Relocation Shaping	10.1	Oct/85	—	45	Surcharge is being removed from the freeway and B.N.I./B.C.R. grade by day labour. Drainage, gravelling, paving and electrical construction is to complete the freeway by mid-1986.
C-2986	Highway 10: Annacis Highway to Scott Road	1.3	Sept/85	—	60	Grading and paving reconstruction of Highway 10 to four lanes.
C-3005	Mainline: Highway 10 to Highway 99	2.6	Feb/85	Nov/85	100	Stripping of grade for highway grading.
C-3602	Mainline: Highway 10 to Highway 99 Densification	-	Dec/85	Feb/86	100	Special foundation strengthening under the Highway 99 and B.C.R. bridge abutments to prevent failure due to earthquakes.
C-3600	Mainline: Highway 10 to Highway 99	2.6	Jan/86	—	15	Surcharge removal, gravelling, paving and electrical construction to complete the freeway in mid-1986.
E. General						
C-1584	Hogfuel Supply	-	July/82	Mar/86	100	Supply of hogfuel for use in road construction throughout the Annacis Project.
C-2934	Guardrail Supply	-	Apr/85	—	20	Purchasing guardrail from manufacturer and stockpiling for use on the Annacis Project as paving nears completion.

RICHMOND EAST-WEST FREEWAY
(Projects are listed from East to West)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-3429	**Hamilton Interchange - Westminster Highway**	2.7	Dec/85	—	40	Four lane construction of the new freeway. Grading, gravelling, and paving. Uses dredged sand to grade freeway to surcharge and then grade. Includes a high hogfuel fill for overpassing the C.N.R. Schedule for completion in late 1987.
C-3428	**Westminster Highway - No. 6 Road**	4.1	Dec/85	—	20	Continuation of four lane construction. Includes high fills for overpasses at No. 7 and No. 8 Roads. Scheduled for completion in late 1987.
C-3561	**No. 6 Road - Highway 99 Densification**	—	Dec/85	—	45	Densification under many bridge abutments to prevent earthquake failure.
C-3562	**Knight Street: Cambie Road - Bridgeport Road**	1.1	Jan/86	—	10	Grading and paving to widen Knight Street and complete the Bridgeport Interchange. Scheduled for completion in late 1987.
C-3065	**No. 6 Road - Jacombs Road**	6.7	Jan/86	—	5	Construction of the freeway and the major Knight Street Interchange. Uses over 2,000,000 m^3 of sand fill. Includes grading, gravelling, paving and electrical construction. Scheduled for completion in late 1988.
C-2999	**Jacombs Road Overpass Approach Fills**	0.8	Apr/85	—	85	Grading, surcharging, gravelling and paving approach fills to allow bridge construction. Following bridge construction Jacombs Road may be opened in mid-1988.
C-3262	**Jacombs Road - Shell Road Stage 1 Detours**	1.7	Sept/85	—	75	Conceived to grade and pave detours in existing Highway 99 and No. 5 Road Interchange to allow future construction of the Richmond East-West Freeway and Highway 99 Interchange.
	General					
C-3190	**Hogfuel Stockpiling**	—	Oct/85	—	25	Purchase and stockpiling hogfuel for use throughout the Richmond East-West Freeway.
C-2981	**Supply of Sand**	—	Apr/85	—	75	Dredging sand onto the Fraser River Harbour Commission site in South Richmond for use as fill throughout the Richmond East-West Freeway.

COQUIHALLA

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
A. Abbotsford - Hope (Projects are listed West to East)						
C-2872	Trans-Canada Highway: Whatcom Interchange	7.87	Dec/85	—	20	A grading, bridge, and paving project for construction of an interchange at an existing tourist bureau just east of Abbotsford to replace several existing dangerous at-grade intersections.
C-2873	Trans-Canada Highway: Popkum Interchange	10.0	Dec/85	—	20	A grading, bridge and paving project to construct a new interchange a few kilometres East of the existing Rosedale Interchange. Includes construction of a frontage road system as well as replacement of existing at-grade intersections.
C-2906	Trans-Canada Highway: Wahleach Power Station - Cheam View	4.9	Jan/85	—	90	Difficult grading and paving contract through Jones Hill area involving pipeline relocations, hydro lines, bridges, and careful construction along the C.N. Railway. Extensive rock slope stabilization has been required to construct the freeway at the toe of the mountains.
C-2907	Trans-Canada Highway: Cheam View - Jones Creek	9.7	Jan/85	—	80	Continuation of above. Also includes two large multiplates. Involves over 1,000,000 m^3 of excavation.
C-3016	Trans-Canada Highway: Hunter Creek Interchange	9.7	Jan/86	—	30	Grading, bridge, and paving project to construct an interchange just east of the Laidlaw Weigh Scales. Includes construction of an extensive frontage road system. Eliminates several at-grade intersections.
B. Hope - Merritt (Projects are listed South to North)						
C-2662	Floods - Hope	9.7	June/84	—	90	Grading and paving for realignment and four laning of the Trans-Canada Highway and Highway 3. Included is a major realignment of the C.N. Railway. Rail realignment after careful environmental review.
C-2944	Hope - Summit	-	Nov/84	—	50	Coquihalla Access Road was kept open the two previous winters to allow accelerated winter construction.
C-2871	Hope - Nicolum Creek	8.4	Jan/85	—	95	Difficult grading and paving contract for realigning and widening Highway 3 to four lanes. Two bridges and detours for stage construction are included.

COQUIHALLA (continued)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-0760	Peers Creek - Ten Mile Creek	5.1	June/84	Nov/85	100	Grading along Coquihalla River. Construction through the narrow Coquihalla Valley necessitated a river diversion under strict environmental control. Also used are special high retaining walls known as reinforced earth to construct the highway between the river and mountains. Extensive rock stabilization was required for rock cuts up to 75 m (225 feet) high.
C-2663	Ten Mile Creek - Sowaqua	3.3	June/84	Nov/85	100	Similar construction to C-0760. Included are two major river diversions, reinforced earth retaining walls, and a debris torrent control structure. Extensive rock stabilization measures were required on the high rock cuts.
C-2683	Sowaqua - Ladner Creek	6.1	June/84	—	95	Grading along a wider section of the Coquihalla. Two river diversions were included. A massive earth slide of over 1,000,000 m^3 had to be controlled to complete the grading. Only minor cleanup remains.
C-2853	Ladner Creek - Shylock	2.7	Jan/85	—	95	Grading of the highway along mountain sidehill as the highway leaves the Coquihalla Valley and rises to the Boston Bar Creek Valley. Over 1,000,000 m^3 of excavation and two large reinforced earth walls on this short section. Only minor cleanup remains.
C-2782	Shylock Pit: Aggregate Crushing	-	Sept/84	Aug/85	100	Crushing and stockpiling over 1,250,000 tonnes of aggregate for neighbouring projects in the Ministry's biggest crushing contract ever. Also stockpiling of paving aggregate.
C-2854	Shylock - Portia	2.5	Jan/85	—	95	Continuing of mountain sidehill construction to Boston Bar Creek Valley. A major pipeline relocation as well as high retaining walls are necessary to construct the highway on the sidehill. Avalanche control works are being constructed to protect the highway. Construction has been impeded by difficult soil excavation and water problems, but this large, complex project has the grade completed for paving.

COQUIHALLA (continued)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-2810	Portia - Miranda	3.0	Sept/84	Nov/85	100	First grading contract proceeding up Boston Bar Creek Valley. To construct a highway in the narrow and steep sided mountain valley it was necessary to relocate an existing pipeline and divert Boston Bar Creek several times. Due to poor soils the grade is built mostly of borrow and shot rock. Included are avalanche control works and two precast concrete culverts.
C-2810 -0001	Portia - Box Canyon	-	Jan/85	June/85	100	Precast supply of a new uniquely engineered concrete culvert.
C-2811	Miranda - Box Canyon	3.7	Sept/84	--	95	Continuation of C-2810 up Boston Bar Creek and similar construction. Over 1,300,000 m^3 of excavation over this short section. Includes a precast concrete culvert. Mostly borrow excavation for grade. Only minor cleanup remains to be done.
C-2812	Box Canyon - Great Bear No. 5	3.3	Sept/84	—	95	Next in the Boston Bar Creek Valley projects. A massive, difficult project of over 2,000,000 m^3 of excavation. A debris torrent channel was built on Ottomite Creek. The channels had to be constructed on the steep mountain slope, a very difficult project. Two major multiplates were also constructed. Only minor cleanup remains to be done.
C-2813	Great Bear No. 5 - Summit	4.9	Sept/84	—	95	Last project up Boston Bar Creek Valley. Soils are so poor in the summit area that almost all fills are made from rock quarries. Over 750,000 m^3 of rock excavation was required for fill construction. Two major multiplate structures were completed as well.
C-3060	Summit Quarry: Quarrying and Crushing	-	June/85	Sept/85	100	Due to the poor soils and lack of gravel in the summit area, granular aggregates were produced by quarrying rock.
C-2896	Provide Power to Coquihalla Lakes and Great Bear Snow Shed	-	Sept/84	—	90	Extending power up the Coquihalla Valley to provide power to interchanges, maintenance camp, Toll Booth Plaza, and Great Bear Snow Shed.
C-3363	Summit - Merritt	-	Dec/84	—	50	Keeping access road open during the winters to allow winter construction.

COQUIHALLA (continued)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-0579	Dry Gulch - Mine Creek	9.3	June/83	Aug/85	100	A large excavation project mostly completed last year. Minor cleanup completed. Marks the highway's descent from the Summit along the Coldwater River to Merritt.
C-2781	Coldwater Pit: Aggregate Crushing	-	Aug/84	July/85	100	Paving aggregate crushing and stockpiling.
C-2694	Mine Creek - Juliet	6.0	Aug/84	—	95	Continuation of Project C-0579 down the Coldwater Valley. As with the Coquihalla River, the Coldwater River was diverted successfully under strict environmental controls. Included was a difficult rock excavation on the canyon walls of Dry Gulch for Dry Gulch Bridge. A major pipeline relocation was also required. The Toll Booth grading was completed. Only minor works remain.
C-2825	Juliet to Coldwater Crossing No. 3	6.6	Aug/84	Nov/85	100	Next grading project down the Coldwater Valley to Merritt. mostly a borrow project with six pipeline relocations. Included were six bridge approach fills and a major diversion constructed on the Coldwater River under tight environmental control.
C-2852	Coldwater Crossing No. 3 - Larson Hill	8.8	Jan/85	—	95	A major grading project of over 2,000,000 m^3 of excavation, including over 750,000 m^3 of rock. A novel feature is the inclusion of a salmon rearing pond. Construction includes a large interchange, extensive rock stabilization, and the two highest reinforced earth walls on the Coquihalla. Only minor works remain.
C-2827	Brodie Pit: Aggregate Crushing	-	Aug/84	Aug/85	100	A major aggregate crushing and stockpiling project for neighbouring projects, over 1,000,000 tonnes produced.
C-2831	Larson Hill - Coldwater Crossing No. 6	4.3	Jan/85	—	95	A major grading project involving over 1,000,000 m^3 of excavation including 400,000 m^3 of rock excavation. Three pipeline relocations were required. Only minor works remain.
C-2834	Coldwater Crossing No. 6 - Hydro Crossing	6.4	Jan/85	—	95	The highway crosses the Coldwater River to the eastern slope of the Coldwater Valley for the remainder of the route to Merritt. A major grading project involving 1,300,000 m^3 of excavation of which 600,000 m^3 was rock. Included are three pipeline crossing, two major multiplates, and extensive rock stabilization. Only minor works remain.

COQUIHALLA (continued)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-2844	Hydro Crossing - Compressor Station	2.9	Nov/84	Sept/85	100	Continuation of highway grading along the eastern slope of the Coldwater Valley. A moderate earthworks project.
C-2843	Compressor Station - Salem Creek	2.8	Nov/84	Sept/85	100	A small earthworks grading project being a continuation of the previous project.
C-2840	Salem Creek - Glenwalker	4.7	Jan/85	Sept/85	100	A moderate grading project of about 750,000 m^3 of excavation, including over 300,000 m^3 of rock.
C-2841	Glenwalker - Kwinshatin Creek	3.5	Nov/84	Sept/85	100	A moderate earthworks project continuing towards Merritt.
C-2839	Kwinshatin Creek - Trans Mountain Pipeline	6.3	Jan/85	Nov/85	100	A major grading project of over 1,500,000 m^3 of excavation. Installation of two huge multiplate structures for vehicular underpasses were major construction features.
C-2837	Trans Mountain Pipeline - Highway No. 5A Interchange	3.2	Nov/84	Oct/85	100	A medium earthworks project completes the Coquihalla Highway along the Coldwater Valley. At the end of the project the highway enters the Nicola Valley. Installation of a large multiplate structure for a vehicular underpass was a major feature.
C-2838	Merritt Bypass	5.0	Oct/84	—	95	The Coquihalla Highway leaves the Coldwater Valley to cross the Nicola Valley just to the east of Merritt. Three bridges and three major multiplate structures were the major construction features.
C-2816	Godey Pit: Aggregate Crushing	-	Sept/84	Apr/85	100	Crushing and stockpiling over 750,000 tonnes of aggregate for neighbouring projects. Also crushing and stockpiling paving aggregates.
C. Hope - Merritt: General						
C-2917	Avalanche Works	-	Apr/84	—	85	A two year program of avalanche engineering for highway design, construction and future highway operation.
C-2889	Guardrail Purchase	-	Nov/84	—	80	Advance manufacturing and stockpiling of 175 km of guardrail for rapid placement after paving.
C-3086	Installation of Telephone Facilities	-	May/85	—	75	Extending telephone facilities from Kingsvale to the Toll Booth on the north end and from Hope to Shylock on the south end.

COQUIHALLA (continued)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-3064	Post Construction Environmental Monitoring	-	May/85	—	20	A program of environmental field studies to determine the success of river diversion works and of habitat mitigation construction after several years following construction completion.
D. Merritt - Kamloops (Projects are listed South to North)						
C-2891	Merritt - Shuta Creek	8.9	Jan/85	—	75	A large earthworks project following the Nicola Valley north to the confluence of the Nicola and Clapperton Valleys. Included are two major multiplate structures.
C-2878	Tote Road: Shuta Creek-Surrey Lakes	-	Sept/84	—	75	A tote road was constructed up the Clapperton Valley to Surrey Lake to allow access for engineering crews and contractors.
C-3354	Shuta Creek - Kirby Creek	5.5	Nov/85	—	5	After following the Nicola Valley the highway turns north and follows the Clapperton Valley to the summit of the Surrey Lakes. An extremely large project of over 3,00,000 m^3 of excavation. Included is construction of Grimshire Road Overpass bridge. Environmental controls are being applied to all grading construction from Merritt to Kamloops even though no major river works are included.
C-3071	Kirby Pit Crushing	-	Nov/85	—	50	Crushing and stockpiling of granular base and paving aggregates for neighbouring grading projects and future paving projects.
C-3355	Kirby Creek - km 16.9	2.33	Dec/85	—	15	A continuation of C-3354 up the Clapperton Valley. A major excavation project of over 1,000,000 m^3 of excavation including 500,000 m^3 of rock. Extensive rock stabilization techniques will have to be used on the rock cuts to allow highway construction in the narrow valley.
C-3356	km 16.9 - Clapperton Canyon	3.6	Nov/85	—	5	Continuation of C-3355 up the Clapperton Valley. Similar to C-3355 in size and type of project.
C-3527	Clapperton Canyon - Sussex	-	Oct/85	Feb/86	100	Clearing and Grubbing.

COQUIHALLA (continued)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-3357	Clapperton Canyon - Helmer Lake	6.2	Dec/85	—	5	Final contract up the Clapperton Valley. A large excavation of over 1,500,000 m^3 mostly earthworks. A massive concrete box culvert is being built at the Clapperton Creek Crossing to allow fish passage. A large multiplate structure is also included.
C-3074	Clark Creek Pit Crushing	-	Oct/84	—	35	Granular base aggregate crushing and stockpiling for neighbouring projects.
C-3358	Helmer Lake - Sussex Lake	5.5	Dec/85	—	5	After climbing to 4600 feet up the Clapperton Valley from the Nicola lowlands the highway follows through the Surrey Lakes and Meadow Creek-Fraser Plateau area before the long descent to Kamloops. A large excavation project of over 1,000,000 m^3. Another box culvert is constructed for the second crossing of Clapperton Creek.
C-3528	Sussex Lake - Meadow Creek Road	-	Oct/85	Dec/85	100	Clearing and grubbing.
C-3393	Sussex Lake - Desmond Lake	7.3	Dec/85	—	10	Continuation of the freeway towards Merritt along the Upper Fraser Plateau. A medium excavation project of 700,000 m^3. A major multiplate structure is included.
C-3394	Desmond Lake - Meadow Creek Road	5.0	Dec/85	—	10	A medium excavation project with several large multiplate structures for creek crossings. Tight environmental controls will be applied to all multiplate construction in the creeks to preserve habitat.
C-3075	Section 29 Pit Crushing	-	Oct/85	—	35	Crushing base course aggregate for neighbouring projects.
C-3529	Meadow Creek Road - Stake Lake	-	Oct/85	Feb/85	100	Clearing and grubbing.
C-3076	Walloper Pit Crushing	-	Oct/85	—	60	A major crushing project of over 1,000,000 tonnes. Producing base course aggregate and paving aggregate for grading and future paving projects.
C-3395	Meadow Creek Road - Stake Lake	6.5	Feb/86	—	5	A major day labour project to grade and gravel this freeway section. Over 1,000,000 m^3 of excavation. The only interchange between the existing Trans-Canada Highway and Merritt is a major feature of the construction.

COQUIHALLA (continued)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-3530	Stake Lake - Sugarloaf	-	Oct/85	Feb/85	100	Clearing and grubbing.
C-3416	Stake Lake - Peterson Creek	8.1	Jan/86	—	5	This project marks the freeway's descent from the Upper Fraser Plateau at 4500 feet to Kamloops at 1,000 feet elevation. Generally, the freeway is six lanes wide on the section from Stake Lake to Kamloops. A major excavation project of over 1,500,000 m^3. Included are two major multiplate structures for vehicular underpasses.
C-3417	Peterson Creek - Rush Lake	4.8	Jan/86	—	5	A major excavation project of over 1,000,000 m^3 of excavation including 250,000 m^3 of rock. A major multiplate for a vehicle underpass is included. Special attention is being given to constructing the highway over an existing water storage dam at Jocko Creek.
C-3396	Timber Lake Pit Crushing	-	Dec/85	—	25	A medium sized crushing project for producing and stockpiling base course and paving aggregate for grading and future grading projects.
C-3358	Rush Lake - Moose Lake	5.5	Feb/86	—	5	A major excavation project of over 1,000,000 m^3 continuing the grading towards Kamloops.
C-3359	Moose Lake - Highway 1	5.0	Feb/86	—	5	Last section of new freeway. Further sections will follow the existing Highway 1 alignment through Kamloops. An extremely large project with reinforced earth retaining walls, two bridges,a rest area, and the major interchange with the existing Highway 1.
C-3581	Afton - Old Ski Hill	3.8	Mar/86	—	0	The Coquihalla Freeway generally follows the existing Highway 1. The existing highway is being reconstructed to six-lane freeway standard. A complex project requiring major utility relocations and drainage systems before grade construction proceeds. An interchange and bridge at Copperhead Way is a major construction feature. Grading, gravelling, paving and electrical construction is all included. Just tendered at year-end.

COQUIHALLA (continued)

Project Number	Location and Description	Length (km)	Date Started	Date Completed	Percent Complete	Remarks
C-3582	Old Ski Hill - Columbia Street	3.0	Mar/86	—	0	Continuation of reconstruction of the existing Trans-Canada Highway to a six-lane freeway through Kamloops. A complex project involving utility relocations, a major drainage system, a bridge and interchange at Pacific Way. This project marks the end of the Coquihalla Freeway. Just tendered at year-end.
C-2874	Kamloops Aberdeen Interchange: Highway No. 1 and Highway No. 5A	3.7	Feb/85	—	85	Interchange construction to handle Coquihalla traffic in 1986. A difficult project in a congested area as it includes many utility relocations. Included is grading, electrical, bridge, and paving. To be completed in May 1986. The interchange will form part of the final Coquihalla Freeway.
E. Merritt - Peachland						
C-3736	Gorman Mill - Cousins Creek	3.5	Mar/86	—	0	Four laning of Highway 97 and interchange construction of Highway 97 to the Merritt-Peachland Connector. Just tenuered at year-end.

REPORT OF THE DIRECTOR OF PAVING

O.R. Tisot, P. Eng.

During the 1985/86 fiscal year, the Paving Branch administered work on 45 capital paving projects. Of this number, nine were carried forward from the previous year (eight were completed this fiscal year, while one remains incomplete), and 36 were tendered (of which 18 were completed; roadwork commenced on 18 with completion anticipated in the 1986/87 fiscal year). In addition, seven projects were tendered for roadwork to commence during the 1986/87 fiscal year.

There were 600.32 km of road (727.44 km of two-lane equivalent) surfaced with asphalt pavement under Paving Branch contracts and Paving Branch surfacing operations crews applied surface seals on 423.57 km (451.07 km of two-lane equivalent), 389 km of which were on existing pavement.

Also, two surfacing program contracts involving heater-scarifying in-place recycling and paving of 57.84 km of roadway (48.34 km of two-lane equivalent) were tendered and completed. In addition, three capital program projects tendered involved heater-scarification in-place recycling, one of which was completed, with the other two scheduled for roadwork in the 1986/87 fiscal year. The process involved heating the existing pavement by infrared or indirect propane flame, followed by scarification to a depth of 25 mm. The asphalt mix so reclaimed was redistributed over the road surface, generally with the addition of an equivalent quantity of new mix, and placed and compacted to form a reprofiled surface.

Bridge deck resurfacing was undertaken on the Pattullo Bridge and paving work started on the new Coquihalla Highway. The latter is scheduled for completion early in the 1986/87 fiscal year.

Paving work under contract included the repaving and extension of the Vanderhoof Airport, and the paving of the Campbell Hill (Cache Creek) Airport on behalf of the Air Transport Assistance Program.

In addition, two major curb and gutter construction projects were undertaken on Harvey Avenue, as well as Highway 33 and Rutland Road, all in the Kelowna area. In both cases major excavation, installation of storm sewers and drainage facilities, curb, gutter, and sidewalk construction, street lighting, and paving were done. Curb and gutter construction on a smaller scale was undertaken on Columbia Avenue in Rossland and at the Cranbrook North Interchange. Also, two major curb and gutter projects were tendered in Haney and Aldergrove, with roadwork to begin in the 1986/87 fiscal year.

Four projects were tendered involving the reclamation of the existing pavement surface by milling. The reclaimed asphalt (RAP) was then hauled to the mixing plant site, and incorporated in the new hot plant-mixed pavement for the project in varying proportions. The use of these various forms of recycling technology permits effective use of the investment in existing pavement surfaces when rehabilitation is required for non-structural reasons. The hot-recycle method is proving to be very economical and conserves asphalt materials through a rejuvenation and re-use of old asphalt pavement.

As well as administering its own projects, the Paving Branch provided technical assistance to the paving portions of numerous construction projects, and to local paving contracts funded by the maintenance districts.

MATERIALS USED/WORK PERFORMED UNDER CONTRACT

Description	Unit		Quantity
Excavation:			
Common Excavation	m^3		73,223
Foundation and Trench Excavation	m^3		25,660
Aggregates:			
Select Granular Sub-Base	t		179,299
Crushed Base Course Aggregates (50 mm - 75 mm)	t		4,194
Crushed Granular Surfacing & Base Course Aggregates (-25 mm or less)	t		382,099
Crushed Shoulder Aggregate	t		226,742
Crushed Aggregate in Stockpile	t		424,279
Asphalt Pavement:			
Asphalt Concrete Pavement (Conventional)	t	1,202,451	
Asphalt Concrete Pavement (Incorporating reclaimed mix in varying proportions)	t	44,894	
Asphalt Stabilized Base	t	148,371	
Asphalt Concrete Pavement (Total)		1,395,716	1,395,716
Asphalt Mix F.O.B. Plant:			
Asphalt Mix F.O.B. Plant	t		16,350
Patch Mix in Stockpile	t		3,201
Drainage Facilities:			
Asphalt Curb	m		33,491
Concrete Curb & Gutter	m		17,770
Portland Cement Concrete Curb	m		1,894
Concrete Sidewalks	m^2		13,772
Concrete Pipe Installed	m		3,894
P.V.C. Plastic Pipe Installed	m		7,921
Corrugated Steel Pipe Installed	m		2,738
Asphalt Products:			
Asphalt Cement	t		75,900
Cutback Asphalts	L		5,787,134
Emulsified Asphalts	L		268,940
Milling/Grinding:	m		85,387
Concrete Barriers:			
New 690 mm Barrier Installed	m		47,881
New 810 mm Barrier Installed	m		31,505
Remove and Re-Install Existing Barriers (457 mm, 690 mm or 810 mm)	m		8,911
Recycling:			
Heater/Scarification Recycling (In-Place Hot Recycling)	m^2		603,717

CRUSHING PROJECTS (AGGREGATE PRODUCTION IN STOCKPILE) FOR SEALCOATING

Project Number	Location	Contractor	Status
S-0084-2211	Zickmantle Pit - Falkland Area	Salmon Arm Ready Mix Ltd.	Complete
S-0084-2213	Turcotte Pit - Pritchard Area	Okanagan Aggregates Ltd.	Complete
S-0084-3251	Ootischenia, Bombi, and Nancy Greene Lake Junction Pits	Okanagan Aggregates Ltd.	Complete
S-0084-3513	Ta Ta Creek Pit	Wayne Aseltine Trucking Ltd.	Complete

MATERIALS USED BY PAVING BRANCH SURFACING OPERATIONS CREWS

Crushed Surfacing Aggregate (includes aggregates produced under contracts listed above)	t	191,712
Crushed Sand	t	5,470
High Float Emulsified Asphalts	L	6,171,180

PAVING CONTRACT SUMMARY

Project Number	Location & Description (Type of Work)	Contractor	Total Length As Constructed	2-Lane Equivalent	Length Completed This Year		Remarks
					Actual Length	2-Lane Equivalent	
Contracts Awarded Prior to the 1985/86 Fiscal Year							
S-2785	City of Kelowna: Hwy. 33 and Rutland Road (Storm Sewer, Curb & Gutter, and Paving)	Peters Bros. Paving	5.55	10.02	5.55	10.02	Incomplete
S-2814	Hwy. 5: Merritt District Boundary to Junction of Hwy. 1 in Kamloops (Base Preparation, Milling, and Paving)	Dawson Construction	34.74	39.58	34.74	39.58	Complete
S-2815	Hwy. 5: Upper Nicola to Peter Hope Lake Road (Base Preparation, Levelling, and Paving)	H. Williamson Blacktop & Landscaping	18.05	18.05	2.79	2.79	Complete
S-2862	Invermere Arterial Hwy. 674-R (Milling, Levelling, and Paving)	Okanagan Aggregates	4.26	4.26	2.13	2.13	Complete
S-2887	Hwy. 16 at Tyee (Granular Surfacing and Paving)	West Coast Paving	3.10	3.10	1.55	1.55	Complete
S-2912	Hwy. 97: Harvey Avenue - Kelowna: Pandosy Street to Princess Street (Storm Sewer, Curb & Gutter, and Paving)	Midvalley Construction	1.87	5.20	1.87	5.20	Complete
S-2920	Meadow Creek Road: Logan Lake to Lac Le Jeune (Shoulder Buildup, Levelling, and Paving)	Dawson Construction	26.40	26.40	26.40	26.40	Complete
S-2921	Highland Valley Road: Bethlehem Mines Access Road to Logan Lake (Shoulder and Base Preparation Levelling, and Paving)	Peters Bros. Paving	13.20	14.33	13.20	14.33	Complete
S-2922	Highland Valley Road: Ashcroft to the Highland Valley Trailer Park (Shoulder and Base Preparation, Levelling, and Paving)	Peters Bros. Paving	20.15	25.65	20.15	25.65	Complete

PAVING CONTRACT SUMMARY

Project Number	Location & Description (Type of Work)	Contractor	Total Length As Constructed	2-Lane Equivalent	Length Completed This Year		Remarks
					Actual Length	2-Lane Equivalent	
Contracts Tendered in the 1985/86 Fiscal Year							
S-2820	**Hwy. 97: Junction of Barkerville Road (Hwy. 26) to Plett Road (Reclamation by Milling and Hot-Plant Recycling)**	**Columbia Bitulithic**	**46.10**	**51.84**	**31.43**	**34.31**	**Incomplete**
S-2965	**Coquihalla Highway: Nicolum Creek to Ladner Creek (Base Preparation, Paving and Barrier)**	**Peters Bros. Paving**	**26.31**	**49.84**	**16.10**	**34.81**	**Incomplete**
S-2966	**Coquihalla Highway: Ladner Creek to Great Bear No. 5 (Base Preparation, Asphalt Stabilized Base, Paving, and Barrier)**	**Columbia Bitulithic**	**114.93**	**34.76**	**7.50**	**15.75**	**Incomplete**
S-2967	**Coquihalla Highway: Great Bear No. 5 to Murray Bridge (Coldwater Crossing No. 3) (Base Preparation, Paving, and Barrier)**	**Dawson Construction**	**31.61**	**65.62**	**27.31**	**54.82**	**Incomplete**
S-2968	**Coquihalla Highway: Murray Bridge to Glenwalker (Base Preparation, Paving, and Barrier)**	**Emil Anderson Construction**	**28.07**	**44.25**	**24.17**	**35.45**	**Incomplete**
S-2969	**Coquihalla Highway: Glenwalker to Nicola Interchange (Base Preparation, Paving, and Barrier**	**Peters Bros. Paving**	**29.11**	**49.10**	**23.67**	**37.99**	**Incomplete**
S-2973	**Hwy. 1: American Creek to Gordon Creek and Yale Tunnel Approaches (Milling and Paving)**	**Columbia Bitulithic**	**13.90**	**23.53**	**13.90**	**23.53**	**Complete**
S-2974	**Sections of Hwy. 1 from Jackass Mountain to Boston Flats & Campbell Hill Airport (Milling, Levelling, and Paving)**	**H. Williamson Blacktop & Landscaping**	**24.89**	**26.29**	**24.89**	**26.29**	**Complete (Lengths shown exclude Airport facility.)**
S-2975	**Hwy. 1: Cache Creek to Thompson River Bridge at Savona (Levelling and Paving)**	**H. Williamson Blacktop & Landscaping**	**33.70**	**39.50**	**11.30**	**12.43**	**Incomplete**

PAVING CONTRACT SUMMARY

Project Number	Location & Description (Type of Work)	Contractor	Total Length As Constructed	2-Lane Equivalent	Length Completed This Year		Remarks
					Actual Length	2-Lane Equivalent	
Contracts Tendered in the 1985/86 Fiscal Year (continued)							
S-2977	Columbia Avenue Curb & Gutter and Miscellaneous Paving on Hwy. 3B and Hwy. 22 in the Rossland-Trail Area (Storm and Sanitary Sewers, Curb & Gutter, and Paving)	Jack Williamson Paving	23.83	26.20	23.83	26.20	Complete
S-2979	Hwy. 1A and 99A: Pattullo Bridge Deck Resurfacing (Paving)	Columbia Bitulithic	1.50	6.20	1.50	6.20	Complete
S-2983	Hwy. 37: Kitimat to Onion Lake (Asphalt Stabilized Base and Paving)	Grandview Blacktop	33.79	35.00	33.79	35.00	Complete
S-2984	Cranbrook North Interchange Hwy. 3 and 95A and Miscellaneous Paving Work on Hwy. 3 and Van Horne Avenue (Interchange Drainage and Pavement Construction, Miscellaneous Levelling, and Paving)	B.A. Blacktop	5.25	6.78	5.25	6.78	Complete
S-2998	Hwy. 5: Louis Creek to Littlefort (Shoulder Buildup, Levelling and Paving)	Columbia Bitulithic	36.82	37.35	36.82	37.35	Complete
S-3226	Hwy. 5: From Blackpool to Raft River Bridge and Miscellaneous Roads in Clearwater Area (Granular Base, Levelling, and Paving)	H. Williamson Blacktop & Landscaping	33.75	34.25	33.75	34.25	Complete
S-3228	Heritage Highway: Fellers Heights to Brassey Creek (Granular Base, Asphalt Stabilized Base, and Paving)	Rorison Enterprises	12.20	12.78	12.20	12.78	Complete
S-3229	Hwy. 97: East Pine Truckland, Jackfish Lake Road, and West Fraser Mill Road (Granular Base and Paving)	Central Paving	18.80	20.25	18.80	20.25	Complete
S-3230	Williams Lake Highways District Miscellaneous Roads (Granular Base and Paving)	H. Williamson Blacktop & Landscaping	18.90	18.90	18.90	18.90	Complete

PAVING CONTRACT SUMMARY

Project Number	Location & Description (Type of Work)	Contractor	Total Length As Constructed	2-Lane Equivalent	Length Completed This Year		Remarks
					Actual Length	2-Lane Equivalent	
Contracts Tendered in the 1985/86 Fiscal Year (continued)							
S-3249	Hwy. 16: Intermittent Paving East of Terrace - Chimdemash Creek to Carnaby Crossing (Paving)	Kentron Construction	16.00	14.00	16.00	14.00	Complete
S-3254	Hwy. 97: North & South of Chetwynd (Asphalt Stabilized Base and Paving)	Rorison Enterprises	20.60	22.40	20.60	22.40	Complete
S-3326	Williams Lake Highways District: Likely Road (Asphalt Stabilized Base and Paving)	H. Williamson Blacktop & Landscaping	45.20	45.20	0.00	0.00	Incomplete
S-3410	Vanderhoof Airport Run-Way Extension (Granular Base and Paving)	Columbia Bitulithic	N/A	N/A	N/A	N/A	Complete (Airport facility only, lengths not applicable).
S-3418	100 Mile House Miscellaneous Roads (In-Place Hot Recycling and Paving)	Rorison-Wiley Blacktop	8.70	8.70	8.70	8.70	Complete
S-3420	Hwy. 97: Road 269 to Hwy. 29 and Miscellaneous Fort St. John Area Roads (Granular Base, Asphalt Stabilized Base and Paving)	Columbia Bitulithic	35.00	35.00	0.00	0.00	Incomplete
S-3421	Hwy. 97: Lac La Hache Campsite to Hinsche Road and Miscellaneous Roads (Reclamation By Milling and Hot Plant Recycling)	H. Williamson Blacktop & Landscaping	24.10	24.10	0.00	0.00	Incomplete
S-3423	Nazko Road: Tibbles Road to Krestenuk Road, Tibbles Road: Nazko Road Southwards (Base Preparation, Asphalt Stabilized Base, and Paving)	Peters Bros. Paving	64.50	64.50	0.00	0.00	Incomplete
S-3425	Blackwater Road, West of Quesnel: Katzel Road to Pinnacles Road and Miscellaneous Roads (Base Preparation, Asphalt Stabilized Base, and Paving)	Columbia Bitulithic	20.47	23.46	4.81	7.69	Incomplete

PAVING CONTRACT SUMMARY

Project Number	Location & Description (Type of Work)	Contractor	Total Length As Constructed	2-Lane Equivalent	Length Completed This Year		Remarks
					Actual Length	2-Lane Equivalent	
Contracts Tendered in the 1985/86 Fiscal Year (continued)							
S-3526	Heritage Highway: Tumbler Ridge to Quality Creek (Granular Base, Asphalt Stabilized Base, and Paving)	Rorison Enterprises	8.00	8.00	3.60	3.60	Incomplete
S-3541	Hwy. 97: 83 Mile House Area (Base Preparation, Asphalt Binder Course, and Paving)	High Country Paving	3.00	5.90	1.33	2.62	Incomplete
S-0084 -2254	Asphalt Recycling/Resurfacing Hwy. 97: Schweb's Bridge to Pinaus Lake (In-Place Hot Recycling and Paving)	Columbia Blacktop	26.84	27.94	26.84	27.94	Complete
S-0084 -4754	Pavement Recycling In-Place by Heater Scarification WILLIAMS LAKE (In-Place Hot Recycling)	Rorison-Wiley Blacktop	31.00	20.40	31.00	20.40	Complete
C-3123P	Pacific Highway: U.S. Border to 32nd Avenue (Curb & Gutter, Asphalt Stabilized Base, and Paving)	Columbia Bitulithic	6.75	14.25	6.75	8.75	Incomplete
S-3717	Hwy. 17: McKenzie Avenue to Sayward Road (Grind & Pave)	Marquis Contracting	7.70	15.40	0.00	0.00	Incomplete
S-3721	Saltspring Island and Galiano Island Miscellaneous Roads (Pave)	Jack Cewe	26.67	25.81	0.00	0.00	Incomplete
S-3737	Hwy. 1 Sections: Ferrabee Tunnel to Jackass Mountain and Paving to Northbend (Recap)	H. Williamson Blacktop & Landscaping	15.79	18.59	0.00	0.00	Incomplete
S-3812	Hwy. 3A: From Keremeos to Yellow Lake and Sections of Hwy. 3 from Keremeos to Nighthawk Junction (Grind, Recycle and Pave)	Peters Bros. Paving	32.25	34.35	0.00	0.00	Incomplete

PAVING CONTRACT SUMMARY

Project Number	Location & Description (Type of Work)	Contractor	Total Length As Constructed	2-Lane Equivalent	Length Completed This Year		Remarks
					Actual Length	2-Lane Equivalent	
Local Tenders							
S-3096	Hwy. 97: Miscellaneous Sections from Oyama to Bailey Road (Paving)	Westlake Paving & Aggregates	3.80	3.80	3.80	3.80	Complete
S-3412	Marine Way Resurfacing: Greenall Avenue to Byrne Road Section (Paving)	Jack Cewe	2.30	4.60	2.30	4.60	Complete
S-45-2	Fort St. James Arterial: Stewart Drive (Paving)	Pittman Asphalt	1.10	2.20	1.10	2.20	Complete
Contracts Tendered in the 1985/86 Fiscal Year But Not Awarded Until the 1986/87 Fiscal Year							
S-3621	Lougheed Hwy. Reconstruction: Haney Curb & Gutter (Paving)	United Contractors	1.09	2.18	0.00	0.00	Incomplete
S-3708	Hwy. 1A: Aldergrove Curb & Gutter and other Paving (Grind and Pave)	Ocean Point Contractors	6.92	8.14	0.00	0.00	Incomplete
S-3738	Salmon Arm Miscellaneous Roads (Pavement Reprofiling and Paving)	Cantex Engineering & Construction	26.65	26.65	0.00	0.00	Incomplete
S-3741	North Shuswap Miscellaneous Roads (Heater Scarify and Pave)	Okanagan Aggregates	14.15	14.15	0.00	0.00	Incomplete
S-3742	South Shuswap Miscellaneous Roads (Intermittent Paving)	Cantex Engineering & Construction	24.10	24.10	0.00	0.00	Incomplete
S-3748	Hwy. 97: Mountain House Road to Marguerite (Grind, Recycle & Pave)	Columbia Bitulithic	43.40	51.55	0.00	0.00	Incomplete
S-3759	Old Hwy. 97 Loop: City of Penticton (Heater Scarify and Pave)	Peters Bros. Paving (1981)	6.90	6.90	0.00	0.00	Incomplete
TOTAL LENGTH PAVED IN THE 1985/86 FISCAL YEAR				600.32 km	727.44 km		

SEALCOATING WORK BY PAVING BRANCH OPERATIONS CREWS (S-0084)

Electoral District	Job Number	Highways District	Location	Actual Length Sealed (km)	km Sealed (2-Lane Equivalent)	Status
Burnaby-Edmonds, Burnaby-Willingdon, New Westminster	1451	New Westminster	Marine Way: Greenall Avenue to Queensborough Bridge	3.90	8.40	Complete
Shuswap-Revelstoke	2253	Salmon Arm	Squilax to Scotch Creek Junction and Miscellaneous Celista Roads	6.50	6.50	Complete
Rossland-Trail	3251	Rossland	Highway 3: Ootischenia Pit to Meadows	14.50	14.50	Complete
			Glade Ferry South Side Roads	12.10	12.10	Complete
Rossland-Trail	3252	Rossland	Highway 3: Paulson Bridge to Castlegar	50.00	56.00	Complete
Rossland-Trail	3252A	Rossland	Ootischenia Area Miscellaneous Roads	13.70	13.70	Complete
Kootenay	3551	Cranbrook	Highway 3: Cranbrook to Wardner	30.30	35.00	Complete
Kootenay	3552	Cranbrook	Highway 3: Hiawatha Pit to West Boundary Cranbrook	17.20	17.20	Complete
Columbia River	3553	Cranbrook	Highway 95A: Kimberley to Wasa Junction	27.00	27.00	Complete
Columbia River	3554	Cranbrook	Highway 93 & 95: Cranbrook to Fort Steele to Wasa Bridge	31.50	31.50	Complete
Columbia River	3555	Cranbrook	Highway 95: Wasa Bridge to Canal Flats Bridge	37.50	37.50	Complete
Columbia River	3751	Golden	Highway 95: 4.0 km South of Invermere to Radium (shoulders only)	17.64		Complete
			Toby Creek Road	8.77	8.77	Complete
Prince George North	4151	Prince George	Highway 97: Chief Lake Road to Summit	5.60	5.80	Complete
			Miscellaneous Prince George Roads	4.80	4.80	Complete

SEALCOATING WORK BY PAVING BRANCH OPERATIONS CREWS (S-0084) (continued)

Electoral District	Job Number	Highways District	Location	Actual Length Sealed (km)	km Sealed (2-Lane Equivalent)	Status
Cariboo	4751	Williams Lake	Highway 97: From 150 Mile House to Highway 20 Junction at Williams Lake to Mountain House Road	24.00	27.30	Complete
			Miscellaneous Williams Lake Roads	4.80	4.80	Complete
Cariboo	4752	Williams Lake	Highway 97: From 141 Mile House to 150 Mile House	24.80	31.90	Complete
Skeena	5251	Terrace	Old Lakelse Lake Road	8.40	8.40	Complete
Omineca	5551	Burns Lake	Highway 16W: Topley Junction Eastward	14.00	15.50	Complete
North Island	6452	Courtenay	Highway 19: Sayward to Rooney Overpass	20.00	20.00	Complete
North Island	6453	Courtenay	Highway 19: Campbell River North to Amor de Cosmos Bridge	34.80	34.80	Complete
North Island	6454	Courtenay	Highway 19: Big Tree Creek Br. to Sayward Junction	17.50	17.70	Complete
			Miscellaneous Campbell River Roads	11.90	11.90	Complete
TOTAL (Sealcoating)				423.57 km	451.07 km (+17.64 km Shoulders Only)	

REPORT OF THE LANDS SURVEY OFFICER

F.A. Clapp

During this fiscal year there were 130 survey projects handled using funds from the Legal Survey, Construction and Paving votes.

The total length of highway rights-of-way legally surveyed was 377 km. Included in this were surveys of 56 km of the realigned Alaska Highway, 30 km of Coquihalla Highway 5, 10 km of Annacis Highway 91 and approach roads and 27 km of roads for gazetted purposes. In addition, survey assignments included plans of subdivision for gravel pits, plans for drainage easements, plan of reposting surveys to define rights-of-way in surplus lands prior to transfer to the Ministry of Lands, Parks and Housing, and surveys to replace integrated survey monuments. There were also 268 plans processed of which 110 were submitted to the various Land Title Offices for registration.

Expenditures during the year were:

Legal Survey Vote	$441,955.45
Construction Project Vote	213,354.52
Paving Branch Votes	15,934.70
TOTAL	$671,244.67

REPORT OF THE DIRECTOR OF MAINTENANCE SERVICES

J.L.S. Buckle

EXTRAORDINARY EVENTS AND EMERGENCIES

The year under report was no exception to the normally expected level of washouts, slides, rock falls and related major road damage incidents throughout the Province.

Flooding problems were generally below normal and snow related incidents, including avalanches, sluffs and adverse snow conditions were generally average or below average in most areas. Rock and earth slides and flows affecting highways also reached normal levels of activity, with the majority of all incidents occurring in April and May.

Events of larger size or impact included the following:

Date	Type	Road or Highway	District	Volume of material (m^3)	Repair $
April 12	Slide	Road 60	Quesnel	40,000	140,000
April 22	Slide	Highway 16	Prince George	-	46,300
May 3	Washout	Highway 16	Smithers	7,000	50,000
May 4	Rockslide	Highway 16	Smithers	-	115,000
May 10	Mudslide	Highway 23	New Denver	16,000	96,000
August 26	Slide	Road 103	Fort St. John	45,000	800,000
November 1	Slide	Highway 7A	New Westminster	8,000	236,000
February 24	Washouts	Various	Saanich	-	50,000
March 21	Slide	Highway 28	Courtenay	1,000	12,000

Rockfalls on Highway 99 north were regular but small in size with the exception of two which were detected before complete release took place. Remedial work, including a wire rope blanket and check dam is expected to cost $550,000 at Alberta and Loggers Creek.

Numerous other incidents occurred throughout the province. The fast response and repairs by Ministry crews kept road closures to a minimum throughout the year.

MAINTENANCE PROGRAMS

The 1985/86 Provincial road and bridge maintenance funding was $194,712,260 which was distributed via the work program performance budget. Additional headquarters allocations for maintenance programs were as follows:

Maintenance Services Section	$ 300,000
Sandbag and Flood Prevention	50,000
Scenic Highway Act	5,000
Bridge Damage	100,000
Bailey Bridges	400,000
Snow Avalanche Section	375,000
Roadside Development	210,000
	$1,480,000

A roads minor day labour program was undertaken by Districts using local hired equipment.

A minor betterment program of $11,400,000 was undertaken for improvements to various local roads within Districts.

Bridge day labour programs, based on capital funding of $5,000,000, were used to upgrade or re-build many sub-standard bridges throughout the Province. This funding was used primarily for minor bridges and work was done by local bridge crews.

A fencing program of $1,500,000 was undertaken from capital funds to upgrade old fencing and add new fencing on Schedule 2 highways throughout the Province.

The guardrail installation program from capital funds totalled $1,500,000. This was used to provide roadside barriers in areas of high hazard.

The following gravel materials were produced in crushing contracts called from Maintenance Branch, headquarters, and used by Districts for the period April through November:

Production (m^3)

Material	Contract Production	Usage	Set or Average Price
13/16 mm crush	406,829	392,163	$4.75
19/25 mm crush	939,410	913,846	$4.25
38/76 mm crush	111,592	98,412	$3.75

Revenue generated to the end of March through sale of these materials was $5,848,769 while production costs totalled $5,453,276.

Major material supply contracts accounted for volumes as follows:

Sodium chloride (salt for deicing)	83,500 tonnes
Calcium chloride (dust control) liquid	1,050,800 litres
Calcium chloride (dust control) flake	3,398 tonnes
Magnesium chloride (dust control)	4,558,760 litres
Lignosulphonate (dust control)	4,374,542 litres

Maintenance contract standard provisions for many issues were developed and policy was addressed to expedite informal contract preparations in Districts.

The bridge information system began at District level by collecting annual inspections and providing report extraction throughout the Province.

Bridge re-painting programs were addressed in order to develop new corrosive protection coating specifications and training for inspectors.

A hired equipment system was started to assist Districts in managing seniority lists and accounting/informational requirements.

The maintenance management program continued to provide management with reports on operations to assist in budget distribution, ongoing financial distribution/reconciliation and work program planning at the provincial, regional and district level.

The road features inventory, or inventory of maintainable features, increased as follows:

	1984/85	1985/86
Km Road	45,395	45,570 (+0.4%)
LN-Km Pavement	40,977	42,201 (+3.0%)
Culverts	158,272	161,495 (+2.0%)
Sign Posts	97,520	100,321 (+2.9%)
Dust Sites	21,927	24,031 (+9.6%)

Bridge maintenance inventories increased as follows:

Number of bridges	2,562	2,746 (+7.2%)
Square metres of deck	1,112,476	1,252,799 (+12.6%)
Metres bridge (length)	125,756	134,166 (+6.7%)

ROADSIDE DEVELOPMENT PROGRAM

The 1985 hydroseeding program totalled 6,492 ha and was comprised of 4,045 ha seeding, 291 ha mulching and 2,156 ha refertilizing. A large proportion of the new seeding work was carried out on the Coquihalla Highway with three hydroseeding machines.

The vegetation control program included 4,775 km of shoulder treatment and 700 ha of noxious weed treatment. A trial chemical brush control project was carried out on a 9 km section of the North Island Highway, and involved manual cutting of alder stands and subsequent treatment of individual stumps with herbicide. The work will be evaluated next year for cost effectiveness and practicality.

Landscape projects carried out in 1985 consisted of the following:

Westbank couplet
Cranbrook north arterial
Eight full size "Expo 86" floral displays in the Lower Mainland and one in North Saanich
Design and construction of 60 Mini "Expo 86" sign display berms
Traffic island rock paving - Haney By-pass
Highway 33, Rutland Road - Rutland
Highway 97, Harvey Avenue - Kelowna
Kinnaird Interchange and the substantial completion of installation of "Expo 86" concrete display signs.

SNOW AVALANCHE PROGRAMS

The snow avalanche management program continued throughout the Province. Avalanche activity affecting highways has been below average in the Province due to low precipitation.

Training of maintenance personnel in avalanche awareness and safety continues to be a key section of the avalanche program.

Search and rescue programs were upgraded for avalanche areas throughout the Province.

The snow and weather reporting network continued to operate well. Eight remote weather stations were installed in three avalanche areas of the Province.

The system for providing weather forecasts, operated in conjunction with the Atmospheric Environment Service, underwent further improvements.

The avalanche hazard evaluation of existing and proposed tramways and ski areas has continued to increase as an activity in the avalanche program.

A key project was the development of the avalanche safety program for the Coquihalla Highway which included many static defense structures such as berms and mounds, use of artillery and explosives, and the installation in 1986 of two avalanche control tramways - a new technology for North America.

CENTRELINE AND ROAD MARKING PROGRAM

The 1985 road marking season saw another record set for kilometres painted. This was made possible by the excellent weather and the replacing of another older striper unit by one with the new configuration.

The lower mainland crews were heavily involved with the changing traffic patterns during the Annacis and Coquihalla construction.

The Okanagan-Kamloops Region with its many paving projects kept crews busy establishing markings on new pavements.

The Kootenays had one of the biggest years of surface treatment and as a result crews spent much time re-establishing markings.

In northern British Columbia several late paving contracts resulted in return trips to various locations.

The crew in northwest British Columbia had an extensive repaint year including the biennial painting on the Queen Charlotte Islands as there was little new pavement.

Road marking on Vancouver Island was mostly repainting except for new pavement in the Sayward area.

All regions of the Province were visited by the thermoplastic crew which was more productive this year because of new plastic heating equipment.

The reflective marking crew had a busy season on the lower mainland and Vancouver Island, increasing production 45% over last year. The crew was also extensively used for line eradication in conjunction with major projects.

A summary of the work volumes completed is as follows:

	Previous Year 1984-85	Current Year 1985-86
Painting		
Km's of Centreline, Edge & Lane Lines Painted	19,385 km	21,967 km
Km's of Prelining	1,567 km	2,080 km
Curb Painting	0 km	18 km
Crosswalks Painted	96	241
Arrows Painted	1,095	1,240
Stop Lines Painted	367	514
Parking Stalls & Digits Painted	160	15
R.C.M.P. Surveillance Lines Painted	3	6
Traffic Islands Painted	779	902
Traffic Gores Painted	15	43
Painted Lines Eradicated	3,453 m	2,510 m
Thermoplastic Markings		
Centreline, Edge & Lane Lines in Plastic	240 km	208 km
Plastic Laid	10,392 m^2	9,552 m^2
Arrows	1,092	1,040
Crosswalks	1,242	1,769
Stop Lines	1,776	1,902
R.C.M.P. Surveillance Lines	87	65
Advance Markings	0	106
Catseyes & Reflective Road Markings		
Catseye Rubber Inserts	2,614	0
Reflective Road Markings	54,084	78,101
Material Usage		
Yellow Centreline Paint	647,396 L	706,173 L
White Centreline Paint	297,068 L	319,266 L
Glass Bead	550,629 kg	620,391 kg
Yellow Thermoplastic	3,311 kg	28,787 kg
White Thermoplastic	99,456 kg	119,322 kg
Yellow Plastix	16 m^2	0
White Plastix	15 m^2	0
Special Projects - Paint Only		
K1499 - Annacis Crossing		56 km
K1599 - Coquihalla Highway		458 km

WORK ACTIVITIES PERFORMED BY MINISTRY MAINTENANCE CREWS

Activity #	Description	Man-Hours	Accomplishment	Average Unit Cost	Total Cost
100	Permanent Hand Patch	87,276.9	10,214.8 cu metres	280.50	2,865,311
101	Machine Patch	50,157.4	80,051.5 cu metres	111.06	8,890,929
102	Surface Treatment	1,900.1	25,640.7 1000s sq metres	22.65	580,829
103	Crack Sealing	24,982.4	1,108,552.3 lane km	1.27	1,410,506
104	Pavement Burning	32.2	72.0 lane km	37.18	2,677
105	Temporary Hand Patch	61,927.8	5,472.4 cu metres	327.06	1,789,822
106	Skin Hand Patch	8,234.0	691.8 cu metres	396.12	274,039
111	Grading	134,170.2	628,129.6 pass km	14.31	8,993,937
112	Dust/Calcium	4,317.6	2,669.1 km	1,258.91	3,360,166
113	Regravel Roads	89,247.3	706,073.0 cu metres	8.28	45,847,391
114	Dust/Lignosulphonate	2,935.3	1,679.1 km	548.99	921,817
115	Dust/Oils	693.0	212.8 km	617.57	131,421
120	Regravel Shoulders	38,248.0	167,573.0 cu metres	12.06	2,020,968
121	Grade Shoulders	12,079.2	42,859.1 pass km	15.35	658,141
122	Sundry Shld. Maint.	7,510.4	23,050.7 cu metres	12.69	292,514
123	Curb Maintenance	3,061.8	17,388.9 metres	5.01	87,128
130	Road Base Repair	45,215.1	185,112.7 cu metres	12.09	2,239,046
131	Rail Crossings	2,642.0	2,642.0 man-hours	71.98	190,179
139	Other Surface	6,793.9	6,793.9 man-hours	38.75	263,319
200	Ditch Clean	106,960.3	1,827,274.9 metres	3.68	6,728,311
201	Grader Ditch	1,963.2	4,431.1 km	29.90	132,609
202	Culvert Maintenance	33,109.1	30,983.3 culverts	31.36	971,696
203	Catch Basins	6,672.1	12,639.8 catch basins	15.03	189,989
204	Culvert Replace	14,356.9	2,291.0 culverts	435.43	997,583
209	Other Drainage	18,079.1	18,086.1 man-hours	34.84	630,230
220	Area Mowing	7,734.9	4,265.6 hectares	76.28	325,384
221	Hand Brushing	74,135.7	74,512.7 man-hours	25.02	1,864,485
222	Swath Brushing	10,416.2	31,155.1 pass km	68.42	2,131,751
223	Swath Mowing	18,738.5	61,006.6 pass km	15.81	965,118
224	Area Brushing	1,340.5	832.1 hectares	516.47	429,758
230	Gardening	11,065.3	11,065.3 man-hours	59.20	655,121
231	Shoulder Sterile	3,245.3	5,743.1 shoulder km	38.51	221,182
232	R/W Seeding	8,056.3	3,177.4 hectares	334.14	1,061,719
233	Re-fertilizing	1,746.1	1,419.8 hectares	178.87	253,969
234	Hydroseeder Mulching	3,353.0	252.5 hectares	1,886.99	476,467
235	Weed Control	7,576.5	5,897.2 hectares	83.09	490,042
239	Other Vegetation	3,848.0	3,848.0 man-hours	45.10	173,575
250	Roadside Litter	33,703.4	94,984.5 shoulder km	7.52	714,597
251	Barrels & Areas	31,249.1	150,991.0 barrels	7.00	1,056,940
252	Appliance Maint.	8,107.6	17,528.8 applncs.	19.08	334,490
253	Rock & Debris	26,610.9	26,623.4 man-hours	27.69	737,313
254	Road Surface Clean	17,315.7	47,249.8 pass km	16.49	779,262
255	Rock Scaling	1,385.6	1,392.6 man-hours	96.68	134,649
256	Hand Surface Clean	7,375.0	7,378.0 man-hours	20.21	149,115
257	Street Surface Clean	11,006.5	38,889.1 pass km	15.51	603,186
259	Other Debris	8,344.9	8,345.9 man-hours	29.53	246,484
300	Truck Plow	129,767.9	3,626,286.8 plow km	1.40	5,110,426
301	Sand	206,502.5	517,199.1 cu metres	27.09	14,014,638
302	Chemical	33,544.4	56,094.0 cu metres	106.62	5,980,904
303	Patrol	193,429.4	5,199,558.5 km	1.08	5,627,925
304	Grader Plow	47,860.1	428,481.3 plow km	7.62	3,268,470
305	Ice Blading	20,330.6	148,863.6 plow km	8.62	1,283,307
306	Misc. Snow Clearing	21,091.4	21,107.9 man-hours	45.60	962,671
307	Drainage Thawing	43,698.5	43,724.5 man-hours	30.58	1,337,367
308	Stockpile Salt	1,118.1	8,956.0 cu metres	4.88	43,747
309	Snowfences	2,271.8	24,438.5 metres	2.69	65,845
310	Plowboards	741.8	1,198.1 p boards	34.50	41,336
311	Grader Winging	20,692.4	158,845.9 plow km	8.35	1,326,929
312	Snow Blowing	823.9	823.9 man-hours	59.84	49,305
313	Winter Standby	40,972.7	40,972.7 man-hours	13.85	567,729
319	Other Winter	42,639.4	42,639.9 man-hours	32.49	1,385,780
400	Signs	115,221.6	212,067.9 posts	18.36	3,894,115
404	Posts (Yard)	6,478.0	20,361.6 posts	5.23	106,596
405	Sign Fabrication	3,636.7	3,636.7 man-hours	26.39	95,975
430	Pavement Marking	5,635.7	46,150.2 sq metres	4.35	200,897
431	Road Stud Install	69.5	720.0 studs	4.77	3,437
432	Line Paint	36,238.7	21,996.3 pass km	128.77	2,832,582
433	Reflect Inst/Replace	3,743.5	82,746.2 no rfltrs	3.59	297,867

WORK ACTIVITIES PERFORMED BY MINISTRY MAINTENANCE CREWS – continued

Activity #	Description	Man-Hours	Accomplishment	Average Unit Cost	Total Cost
434	Curb Painting	797.4	65,304.1 metres	.41	26,977
435	Mark Eradication	1,562.9	4,915.6 sq metres	7.53	37,059
436	Prelining	10,302.2	2,065.4 pass km	82.64	170,696
437	Plastic Line (Auto)	1,202.0	208.0 pass km	697.17	145,013
438	Thermoplastic (Other)	1,602.5	9,552.4 sq metres	11.70	111,776
439	Other Sign & Mark	24,117.4	24,133.4 man-hours	26.26	633,878
450	Signal Maintenance	10,527.6	1,897.5 intersec	179.54	340,680
451	Signal Repair	12,457.3	2,307.1 intersec	174.22	401,950
452	Electrical Patrol	2,424.4	42,283.0 km	1.32	56,021
453	Multi Message Signs	1,218.7	1,218.7 man-hours	36.84	44,897
459	Other Traffic Control	527.7	527.7 man-hours	104.45	55,123
460	Lighting Maintenance	6,897.7	10,877.0 no poles	30.05	326,873
461	Lighting Repairs	14,434.2	5,522.0 no poles	133.34	736,313
465	Other Lighting	1,242.6	1,242.6 man-hours	53.40	66,357
466	Generator Maintenance	1,627.8	283.0 generators	287.59	81,389
467	Generator Repair	1,326.1	215.0 generators	198.11	42,595
469	Other Generators	84.3	84.3 man-hours	52.26	4,406
470	Service Equipment Maint.	1,875.7	777.0 units	77.92	60,550
471	Service Equipment Repair	816.7	270.0 units	102.51	27,680
475	Control Device Repair	5,274.1	768.0 devices	171.88	132,006
476	Control Device Mfg.	472.9	472.9 man-hours	29.86	14,122
479	Other Control Devices	820.7	820.7 man-hours	41.73	34,249
500	Bridge Cleaning	23,414.4	23,414.4 man-hours	26.01	609,025
501	Bridge Rail Repair	15,291.4	19,340.2 metres	27.86	538,828
502	Bridge Steel Paint	5,495.7	5,500.4 litres	139.87	769,365
503	Sand Blasting	4,414.9	4,414.9 man-hours	39.36	173,778
504	Water Blasting	430.6	430.6 man-hours	28.02	12,067
505	Concrete Deck Repair	6,996.4	6,996.4 man-hours	31.62	221,293
506	Timber Deck Repair	23,721.7	23,721.7 man-hours	39.26	931,467
507	Bridge Inspection	8,859.9	8,859.9 man-hours	23.87	211,541
508	Bailey Stk. Handling	1,403.1	1,796.0 no. panels	32.98	59,246
509	Bailey Deck Repair	2,982.1	2,982.1 man-hours	35.21	105,016
510	Tunnel Maintenance	7,281.9	7,281.9 man-hours	25.86	188,379
511	Perm. Structure Rpr.	12,087.6	12,092.6 man-hours	44.48	537,975
512	Timber Structure Rpr.	20,428.5	20,428.5 man-hours	41.88	855,713
513	Deck Linseed Oiling	3,898.1	154,731.4 sq metres	.67	104,110
514	Stream Cln/Chan. Rpr.	7,756.9	7,792.9 man-hours	35.37	275,705
515	Building Maintenance	5,502.3	5,502.3 man-hours	25.60	140,892
516	Misc. Carpentry	20,200.1	20,200.1 man-hours	24.59	496,869
517	Concrete Overlay	12,467.0	16,397.0 sq metres	16.06	263,485
518	Scarifying	627.7	18.0 sq metres	1,254.94	22,589
519	Hand Painting	3,557.8	3,557.8 man-hours	39.53	140,655
520	Conc. Guardrail Maint.	15,233.0	61,248.8 no. pieces	7.05	432,281
521	Fence Repair	4,410.2	77,994.8 metres	2.96	230,965
522	Cattleguard Rpr.	3,176.3	656.0 cattleguards	216.07	141,742
523	Steel & Timber Guardrail	1,660.5	15,306.6 metres	2.96	45,357
524	Special Fencing	1,530.2	1,530.2 man-hours	39.88	61,036
528	Plumbing	762.1	762.1 man-hours	20.88	15,917
529	Other Str. Maint.	13,800.3	13,804.3 man-hours	50.17	692,618
560	Screen & Stockpile	27,900.4	651,084.1 cu metres	9.32	6,071,190
561	Pit Prep. & Cleanup	17,342.3	17,442.3 man-hours	106.66	1,860,498
566	Quarrying	4.0	3,378.0 cu metres	11.74	39,670
567	Grade Premix	274.4	661,5 cu metres	52.43	34,684
568	Gravel Stockpiling	3,409.7	100,937.7 cu metres	9.84	993,944
569	Other Materials	3,778.7	3,778.7 man-hours	89.97	340,004
570	Ferry Operation	343.6	343.6 man-hours	82.27	28,269
571	Ferry Maintenance	3,039.6	3,039.6 man-hours	40.25	122,349
572	Dock Maintenance	13,275.3	13,282.3 man-hours	27.00	358,720
579	Other Ferry & Dock	2,846.1	2,846.1 man-hours	136.20	387,655
580	Equipment Service	87,726.3	30,682.0 no. units	47.51	1,457,849
581	Equipment Repair	16,058.6	4,130.8 no. units	78.14	322,788
582	Mechanical Travel	20,804.3	5,843.9 no. units	70.68	413,099
583	Fueling	6,441.9	3,536.6 no. units	53.99	190,976
588	Equipment Rental (Branch)	.0	11,465.0 no. units	745.51	8,547,309
590	Radio Repair	17.5	3.0 no. units	402.66	1,208
591	Radio Install	.0	.0 no. units	.00	797
592	Repeaters	4.0	2.0 no. repeaters	360.00	720

WORK ACTIVITIES PERFORMED BY MINISTRY MAINTENANCE CREWS - continued

Activity #	Description	Man-Hours	Accomplishment	Average Unit Cost	Total Cost
600	Supervision	551,104.0	551,141.8 man-hours	18.81	10,371,437
601	Safety Programs/Train.	49,153.5	49,160.5 man-hours	17.10	841,050
602	Vacation	745,159.1	745,560.5 man-hours	14.03	10,465,006
603	Sick Leave	175,950.2	175,950.2 man-hours	13.92	2,449,406
604	W.C.B.	18,179.8	18,179.8 man-hours	13.71	249,278
605	Special Leave	31,039.8	31,039.8 man-hours	14.25	442,478
606	Stand-by	21,098.0	21,098.0 man-hours	14.56	307,201
609	Equipment Hauling	27,930.0	27,966.2 man-hours	64.35	1,799,666
610	Light Duties	1,552.2	1,552.2 man-hours	13.88	21,553
611	Travel (4 hr. +)	22,294.9	22,294.9 man-hours	129.04	2,876,951
612	Traffic Patrol	74,941.7	76,646.2 man-hours	22.43	1,719,585
613	Yard Maintenance	95,462.6	95,468.6 man-hours	20.01	1,910,405
614	Stock Control	96,662.2	96,842.2 man-hours	48.48	4,695,546
615	Camp Operation	16,258.9	16,258.9 meals	35.67	579,984
616	Equipment Training	34,685.5	34,685.5 man-hours	19.08	662,145
617	Other Training	30,710.0	30,710.0 man-hours	18.81	577,735
618	Tending	75,739.4	75,759.4 man-hours	21.00	1,590,997
619	Other Overhead	19,291.4	19,291.4 man-hours	99.36	1,916,968
651	Inquiries	11,006.6	11,006.6 man-hours	15.81	174,124
653	Draft & Calcu.	97,077.7	97,077.7 man-hours	15.09	1,465,149
654	Maint. Man. Office	50,596.0	50,596.0 man-hours	15.67	793,066
655	Maint. Man. Field	18,758.7	18,758.7 man-hours	19.19	360,137
656	Permits & Land Ref.	29,503.4	29,503.4 man-hours	16.20	477,956
658	Sub-divisions	44,580.0	44,580.0 man-hours	16.31	727,414
660	Survey Projects	78,998.3	80,998.3 man-hours	18.84	1,526,106
661	Avalanche Maint.	21,501.8	21,501.8 man-hours	27.38	588,740
666	District Admin.	324,798.2	324,549.2 man-hours	18.20	5,907,568
668	Surveying Other	91,226.8	91,227.8 man-hours	16.69	1,523,023
670	Secretarial	185,002.5	185,002.5 man-hours	15.15	2,804,325
671	General Accounting	38,935.6	45,457.8 1000's $mthly	11.94	542,962
672	Payroll & Personnel	86,236.2	86,538.7 100's mhs	13.80	1,194,547
673	Accounts Payable	75,832.8	75,832.8 no. vouchers	13.89	1,053,723
674	Perm. & S.D. Typing	23,087.6	23,103.2 man-hours	14.34	331,444
675	Termin/Data Entry	19,727.4	47,916.7 no. cards pro	5.86	281,037
679	Other Office & Tech.	10,708.5	10,708.5 man-hours	20.40	218,500
700	Clearing & Grubbing	32,584.6	775.0 hectares	4,910.70	3,805,793
701	Rock Blasting	2,591.9	133,917.3 cu metres	7.85	1,052,357
702	Road Bed Constr.	53,611.2	14,976.8 km	1,300.49	19,477,272
703	Road Widening	28,809.3	550.1 km	8,691.16	4,781,012
704	Shoulder Widening	12,405.9	5,087.9 km	347.79	1,769,555
705	Ditch Construction	11,584.6	172,374.6 metres	8.96	1,545,239
706	Culvert Installation	24,765.4	27,989.0 metres	116.08	3,249,033
707	Multi-Plate	5,580.6	464.7 metres	1,938.12	900,647
708	Machine Paving	9,518.5	115,952.3 tonnes	72.52	8,409,217
709	Road/Pulvi-Mix	4,975.5	38.3 km	12,622.42	483,439
710	Concrete G/R Install.	13,457.5	12,833.2 no. pieces	132.25	1,697,195
711	Seal Coating	24,422.2	535.5 km	5,820.06	3,116,645
712	R/W Landscape	4,595.9	512.8 hectares	1,708.92	876,337
713	R/W Fencing	7,546.3	157,032.4 metres	6.42	1,009,497
714	Rest Area Develop.	5,657.4	5,685.4 man-hours	90.92	516,970
715	Retaining Wall	4,109.9	3,511.6 sq metres	267.03	937,706
716	Rip Rap	3,604.1	62,007.6 cu metres	14.88	923,081
717	Curb & Gutter	703.5	7,453.7 metres	18.20	135,730
718	Manhole Install.	2,567.5	192.0 number	788.58	151,409
719	Cattleguards	1,132.0	86.0 number	1,660.95	142,842
720	Chain Link Fence	1,733.6	7,013.0 metres	25.84	181,226
721	Yard Betterments	5,351.2	5,351.2 man-hours	41.72	223,295
722	Building Construction	6,735.5	6,735.5 man-hours	32.43	218,445
723	Dock Construction	2,836.1	2,836.1 man-hours	36.30	102,976
724	Bridge Construction	48,014.5	48,021.0 man-hours	62.83	3,017,524
725	Rest Area App.	576.1	137.0 number	208.05	28,504
726	Electrical Const.	18,629.7	18,631.7 man-hours	62.96	1,173,108
727	Gravelling	53,700.8	1,784,688.4 cu metres	8.02	14,326,603
728	Asphalt Curb	2,478.8	10,844.9 metres	11.22	121,735
729	Traffic Islands	1,494.4	15,188.6 sq metres	8.87	134,745
730	Shoulder Paving	809.5	473.7 tonnes	89.66	42,476
731	Shoulder Stabilization	706.7	932.0 shoulder km	207.92	193,784
732	Shoulder Surface Treat.	383.7	24.0 shoulder km	1,377.87	33,069

WORK ACTIVITIES PERFORMED BY MINISTRY MAINTENANCE CREWS - continued

Activity #	Description	Man-Hours	Accomplishment	Average Unit Cost	Total Cost
733	Rock Drilling	1,513.6	104,704.9 metres	13.10	1,372,322
734	Slope Surface	7.0			31,796
735	Gravel Treatment	3,055.2	139.4	6,026.62	840,111
736	G/R Stockpile	315.0	537.0 no. pieces	21.69	11,652
737	G/R Fabrication	58.0	12.0 no. pieces	377.41	4,529
738	Road Stabilization	256.7	31.0 km	2,479.00	76,849
739	Steel G/R Installation	44.0	28.6 metres	125.76	3,597
740	Bridge Deck Construction	8,606.2	8,606.2 man-hours	58.11	500,150
741	Bailey Bridge Const.	10,789.5	10,789.5 man-hours	47.26	510,016
799	Other Projects	48,103.3	48,360.8 man-hours	131.82	6,375,006
810	Benkleman Beam	452.4	140.0 number	73.12	10,237
850	Special	1,061.4			100,000
851	Special				37
879	Special	155.0	192.0	25.36	4,870
900	Flood Control	39,018.8	39,030.8 man-hours	54.10	2,111,870
901	Slide Removal	29,874.4	29,926.4 man-hours	89.90	2,690,550
902	Snow Slides	2,958.8	2,958.8 man-hours	47.24	97,259
903	Winter Repair	9,030.8	9,030.8 man-hours	46.35	418,636
904	Island Maintenance	8,080.8	8,080.8 man-hours	26.24	212,092
909	Other Extra Ordinary Maint	10,801.1	10,966.6 man-hours	40.60	445,252
996	Write-off (Comp. Only)	.0	150,120.0 no. $	1.00	150,120
998	Stock Transfer	.0	497.0 no. $	4,431.51	2,202,461
999	District Overhead	.0	37,335.5 no. $	131.96	4,927,026

ROAD FEATURE INVENTORY
SUMMER CLASSIFICATIONS – DISTRICT TOTALS OF ALL CLASSES

Feature	Measure	Provincial Total	Region 1	Region 2	Region 3	Region 4	Region 5	Region 6
SURFACE TYPE	Lane							
Hot Mix	km	31,316.3	4,942.6	6,715.5	4,547.1	7,489.7	2,747.7	4,871.7
Cold Mix		9,304.5	571.8	3,931.8	2,484.1	342.6	134.9	1,839.3
Concrete		41.3	38.7		1.8			0.8
Treated		1,540.1	0.8	206.0	766.9	4.4	369.0	193.0
Gravel		41,069.5	1,043.2	10,093.5	4,111.4	18,333.3	4,532.0	2,956.1
Dirt		5,626.6	26.5	1,660.8	725.8	2,836.2	301.5	75.8
Other		1,499.7	179.5	270.1	568.9	282.6	196.0	2.6
TOTAL		90,398.0	6,803.1	22,879.7	13,206.0	29,288.8	8,281.1	9,939.3
TOTAL	Road km	45,570.6	2,857.3	11,656.7	7,080.1	14,847.9	4,294.9	4,833.7
PROFILE	Lane							
4-Lane Dvd.	km	2,132.6	1,202.6	507.0		18.3		404.7
4-Lane Undvd.		2,136.2	944.6	630.1	35.0	238.0	37.6	250.9
2-Lane		81,553.1	4,327.0	20,373.3	11,964.4	27,969.1	7,836.3	9,083.0
1-Lane		3,114.2	145.0	1,124.2	662.7	738.2	205.4	183.7
Other		1,461.9	183.9	245.1	543.9	270.2	201.8	17.0
TOTAL		90,398.0	6,803.1	22,879.7	13,206.0	29,288.8	8,281.1	9,939.3
SHOULDERS	km							
-1 m Paved		4,501.8	763.7	457.4	885.7	1,185.2	617.9	591.9
-1 m Treated		915.2	2.7	114.0	48.6	210.2	530.4	9.3
-1 m Gravel		16,489.0	1,709.5	4,544.8	3,810.4	2,163.5	1,165.6	3,095.2
+1 m Paved		6,705.0	1,706.9	1,338.0	1,192.8	1,433.4	237.5	796.4
+1 m Treated		3,207.5	298.8	1,061.0	604.9	890.4	291.3	61.1
+1 m Gravel		13,580.2	1,028.6	3,761.9	2,471.8	2,818.9	876.4	2,622.6
DITCHES	km	50,756.2	2,816.3	9,210.0	5,662.3	21,160.2	6,025.7	5,881.7
CULVERTS	Each							
Entrance		71,881.0	7,037.0	10,623.0	5,488.0	19,890.0	3,304.0	25,539.0
Road Way		89,614.0	7,249.0	17,177.0	13,896.0	24,929.0	9,030.0	17,333.0
DUST SITES	Each	24,031.0	1,642.0	6,609.0	2,376.0	6,962.0	3,421.0	3,021.0
SIGNS	Each							
Structure		2,544.0	1,266.0	442.0	243.0	335.0	45.0	213.0
Post		100,321.0	22,858.0	20,644.0	14,646.0	17,685.0	6,719.0	17,769.0
GUARDRAIL	Metres							
Steel & Wood		61,488.0	7,516.0	25,875.0	5,197.0	7,146.0	10,704.0	5,050.0
No Post		1,113,629.0	394,709	243,666	219,058	67,528	58,861	129,807
REST AREAS	Each							
Lay by		936.0	90.0	207.0	337.0	183.0	95.0	24.0
Rest Stop		276.0	17.0	46.0	59.0	81.0	42.0	31.0
LITTER BARREL	Each	3,046.0	333.0	629.0	623.0	897.0	388.0	176.0
SPECIAL LANES	km	1,644.3	423.8	368.1	245.2	380.7	82.6	143.9
DELINEATORS	Each	39,836.0	15,027.0	6,512.0	5,535.0	5,007.0	3,325.0	4,430.0
MOWING								
Swath	km	52,356.9	4,415.5	11,317.4	7,862.3	16,055.2	4,166.6	8,539.9
Area	ha	1,162.0	894.0	117.0	22.0	38.0		91.0
RAILROAD X	Each	803.0	99.0	196.0	170.0	171.0	47.0	120.0
CATTLE GUARD	Each	1,827.0	5.0	997.0	322.0	424.0	73.0	6.0
TUNNELS & SNOW SHEDS	km	76.0	24.0	26.0	13.0	4.0		9.0
CATCH BASINS	Each	13,199.0	5,694.0	2,459.0	1,084.0	1,959.0	142.0	1,861.0
CURB & GUTTER	m	1,333,933	370,350	324,145	160,470	209,326	43,861	225,781
MANHOLES	Each	2,350.0	930.0	511.0	70.0	261.0	66.0	512.0

REPORT OF THE DIRECTOR OF EQUIPMENT SERVICES

E.A. Lund, P. Eng.

EQUIPMENT SECTION

The Ministry equipment fleet was well used with no increase in downtime despite a further slippage in average age due to insufficient replacement units. In addition, a reduction in garage staff of 7.1 full time equivalents was realized through efficiencies, better productivity and longer lasting equipment. The Preventive Maintenance Program was well applied by operators and garage staff with the result that a consultant's review report stated that the existing Preventive Maintenance Program should be continued in all its aspects: operator daily inspections, minor P.M. program, major P.M. program. No changes are required in P.M. policy intervals nor in the defined inspection tasks.

Replacement equipment received during the fiscal year consisted of 24 graders, four loaders, 157 heavy trucks, 174 light trucks, 26 automobiles and 14 body sanders. Additional equipment to maintain the new Coquihalla Highway was obtained and consisted of a 3,700 ton per hour Idaho Norland snow blower, a double wing V plow grader, a 6 x 6 heavy rollover plow truck, four heavy trucks, two flusher trucks and several pieces of smaller equipment and light trucks.

During the year 1,039,000 manhours were expended by the Branch, of which 58% were productive mechanic hours while the balance were supervision, support (stockkeeping) or overhead hours such as holidays and leaves.

The provincial average shop rate was $28.70 per mechanic hour.

Fuel consumption during the year was:

Gasoline	12,200,000 litres
Diesel	15,850,000 litres
Oil	590,000 litres
Propane	270,000 litres
CNG	12,000 litres

There were 214 requests for approval to hire transportation units and 390 requests for approval to hire construction equipment at other than standard rates.

The Branch in co-operation with the Purchasing Commission held nine public auctions at which time 515 pieces of used and surplus equipment were disposed of at five locations in the province. All remaining gravel crushing plants and asphalt mixing plants were sold. The revenues from the auctions were used to purchase 30 new heavy truck replacements.

The Langford Fabrication Shop custom fitted 70 four ton and 15 tandem trucks to full Ministry standards of front mounts, underbody plows and quick change kits; five twin chain sanders for four tons and one twin chain sander for use and display on the 6 x 6 plow truck were manufactured. In addition, 50 old style underbody blades were recycled to a new flared style.

A new "state of the art" winter maintenance truck with microprocessor controlled electric-over-hydraulic valves and onboard load cells was designed and fabricated for display at Expo 86.

During the year a further 12 units were converted to operate on compressed natural gas as an alternate fuel.

INVENTORY OF MINISTRY OF TRANSPORTATION AND HIGHWAYS EQUIPMENT FLEET AS OF MARCH 31, 1986

	Class	Description	Active Units
A.	11XX	Cars	236
B.	1200	Plows	1,699
C.	15XX	Compressors	110
D.	1611-1615	Fork Lifts	87
	1621-1625	Cranes	6
	1630	Bridge Inspection Units	1
	2100	Excavators	27
E.	18XX	Light Plants	39
F.	001X	Truck Cranes	185
	0020-0021	Personnel Lifts	41
	0030	Wreckers	8
	0033	Electrical Signs	126
	0070	Garbage Packer	43
G.	2010	Self Propelled Brooms (Pickup)	20
	2020	Towed Brooms	18
	2015	Self Propelled Brooms (Non-pickup)	33
	2030	Catch Basin Cleaner	1
H.	94XX	Transportation Light Trucks	1,667
	9430	Emergency Transportation Vehicle	24
J.	25XX	Asphalt and Paving Equipment	89
	0050	Pavement Burners	2
	0060	Distributor	35
K.	28XX	Crushing and Screening Equipment	63
L.	30XX	Graders	293
	3100	Towed Graders	3
M.	3510	Sanders	1,006
N.	40XX	Rubber Tired Tractors	190
O.	0001	Hydroseeder	5
	0002	Centreline Marker	12
	0003	Tunnel Washer	1
	3550	Snow Blower (quick slip on)	30
	0040	Water Tank	135
	0080	Auger Drill	14
	0081	Diamond Drill	7
	5600	Self-Propelled Horizontal Drill	1
	5700	All-Terrain Vehicle	2
	5800	Air Track Drill	1
	6001	Skidoo	10
	6002	Snowmobile	8
	6003	Motorcycle	8
	6025	Road Planer	2
	6090	Misc. Small "O" Equipment	108
	6091	Small/Medium "O" Equipment	13
	6092	Medium "O" Equipment	36
	6093	Medium/Large "O" Equipment	9
	6094	Large "O" Equipment	13
P.	46XX	Roller	97
	4700	Hand Tampers	180

INVENTORY OF MINISTRY OF TRANSPORTATION AND HIGHWAYS EQUIPMENT FLEET AS OF MARCH 31, 1986 (continued)

	Class	Description	Active Units
Q.	50XX	Crawler Tractors	34
R.	44XX	Loaders and Backhoes	231
S.	7000-9320	Heavy Trucks	1,451
T.	6500 & 6501	Lowbed Highboy Trailers	30
	6502	Tilt and Flatdeck Trailers	38
	6503	Utility Trailers	125
	6510-6512	Unheated Storage Trailers	45
	6520-6522	Kitchen, Washcar Trailers	28
	6523-6525	Office, Sleeper Trailers	117
	6526-6528	Assembly Trailers	22
	6530	Miscellaneous Trailers	1
U.	6250	Licensed Non-rental	29
V.	6200	Shop Equipment	1,991
W.	3302-3303	Rock Breakers, Brush Saws	119
Z.	3300	Brush Cutters	7
	3301	Chipper	9

TECHNICAL STORES SECTION

The Ministry's high standards of engineering and material testing were supported through technical equipment supplies in greater amounts than ever before with Coquihalla and Annacis related projects being the heaviest users.

The Equipment Management System, for keeping track of the major pieces of survey equipment, is being superceded by a comprehensive Material Management System which will also provide data on expendables and repairs to inventoried equipment.

The inventory of active survey instruments as of March 31, 1986 was:

19	Total Stations and Data Collectors
393	Theodolites and Transits
419	Levels
110	Electronic Distance Measuring Instruments

LANGFORD SIGN SHOP SECTION

The Langford Sign Shop produced all the Ministry's road sign requirements in 1985/86 plus highway signs for the Parks Branch of the Ministry of Lands, Parks & Housing.

The shop produced 17,719 m² of signs or 45,211 individual signs, plus 9,576 roadside delineators.

The Coquihalla Highway, Annacis Bridge, its approaches and Expo 86 guide signs, have kept the shop busy this year, resulting in a greater than usual backlog of regular sign production. It will take the Sign Shop the balance of 1986 to catch up and get back to a normal average delivery time of 35 working days.

The cutting of metal sign blanks by the Ministry of the Attorney General has been above requirements and the shop has a good supply of blanks on hand, which allows for uninterrupted production.

A microcomputer was installed this year allowing sign orders to be made directly by electronic mail. Future enhancements will include stock inventory and records.

The shop endeavors to turn out rush or urgent jobs as requested.

MARINE SERVICES

Until October, 1985 service was provided on 33 routes under the jurisdiction of the Ministry. This was accomplished by a fleet consisting of 22 certified vessels, six reaction ferries, four cable ferries, five aerial ferries and six subsidized ferries . There are also three tugboats, four portable barges and six miscellaneous barges for emergency use and other purposes. Vessel maintenance equipment includes floating dry docks at Kootenay Lake and Francois Lake and a marine rail way on Upper Arrow Lake.

On October 5, 1985 the Ministry transferred to the British Columbia Ferry Corporation the following vessels and routes, together with all staff members, land and dock installations including dock maintenance staff, equipment and vehicles, as well as required spare gear for the vessels.

ROUTES	VESSELS
Comox to Westview	Princess of Vancouver
Nanaimo to Gabriola Island	Quinsam
Buckley Bay to Denman Island	Kahloke
Denman Island to Hornby Island	Albert J. Savoie
Alliford Bay to Queen Charlotte City	Kwuna
Campbell River to Quadra Island	Quadra Queen II Tenaka
Heriot Bay to Cortes Island	Nimpkish
Chemainus to Thetis Island	Klitsa
Westview to Texada Island	North Island Princess
Alert Bay to Port McNeil	Tenaka
*Darrel Bay to Woodfibre	Garibaldi II
Spare Vessels	Nicola Quinitsa

*Operated by Western Pulp Partnership

Until October, 1985 the Saltwater Fleet carried 1,332,458 vehicles and 2,173,550 passengers (including drivers) during the period April 1 - October 5, 1985. Revenue gained from these operations until that date was:

REVENUE

Alert Bay	231,500.38
Comox-Powell River	1,350,679.45
Cortes Island	90,988.10
Denman Island	231,529.45
Gabriola Island	427,228.05
Hornby Island	119,889.90
Quadra Island	635,730.25
Queen Charlotte Islands	109,679.40
Texada Island	202,702.70
Thetis Island	106,638.20
TOTAL	3,486,915.78

For the 1985/86 fiscal year the Fresh Water Fleet carried 2,695,209 vehicles and 5,378,328 passengers.

MAINTENANCE

All ferries were inspected during the year and maintained as required.

M.V. T'Lagunna was retired in September from the Albion-Fort Langley route and replaced by M.V. Kulleet. T'Lagunna entered service in 1931 as the "Agassiz".

The natural gas conversion of the M.V. Klatawa operating between Albion - Fort Langley was completed, and on December 16, 1985 the vessel was licenced as the first natural gas powered passenger ferry in the world.

The installation of a shore based natural gas compressor and ship installation was a credit to the private industry suppliers and Ministry personnel involved in the design and operation.

The M.V. Jacob Henkel, operating on Francois Lake, was converted due to age to an un-manned barge for emergency service only.

With the completion of the "Cog Harrington Bridge" at Boston Bar the aerial ferry which operated across the Fraser River to North Bend was withdrawn on January 28th, 1986.

RECORD OF FERRY TRAFFIC TO OCTOBER, 1985, SALTWATER FERRY FLEET

Route Name	Leg Trips	Passengers Not Drivers	Including Drivers	Autos	Trucks	Dangerous Cargo	Logging Trucks	Recreation Vehicles		Trailers/ Semis	Motor Buses	Motor-Cycles	Other	Total Vehicles
								Under 6 m	Over 6 m					
Alert Bay	6,919	96,085	132,291	32,119	2,100	43	1	494	337	771	34	249	58	36,206
*Barkley Sound	78	5,347	5,347	—	—	—	—	—	—	—	—	—	—	—
Comox-Powell River	1,354	86,703	133,586	38,771	990	1		3,269	1,297	1,015	94	1,432	14	46,883
Cortes Island	2,172	26,912	47,157	17,542	899	72	12	526	250	505	156	259	24	20,245
Denman Island	7,960	164,323	282,984	104,139	2,013	141	120	4,215	1,214	290	105	1,392	32	118,661
*Dodge Cove	26	340	340	—	—	—	—	—	—	—	—	—	—	—
Gabriola Island	6,211	218,325	370,005	142,863	3,299	181	16	573	546	957	80	2,864	301	151,680
Hornby Island	5,465	88,524	152,089	54,310	1,738	107	1	3,533	609	2,143	78	988	58	63,565
*Lasqueti Island	634	12,479	12,479	—	—	—	—	—	—	—	—	—	—	—
Quadra Island	8,914	274,945	440,345	149,721	3,190	156	219	2,454	1,675	4,152	234	3,529	70	165,400
Queen Charlotte Island	5,900	57,147	100,921	39,203	2,395	81	3	367	283	985	187	182	88	43,774
Texada Island	3,666	58,422	101,949	39,500	948	123	13	1,560	315	375	31	601	61	43,527
Thetis Island	10,882	75,524	109,127	32,306	808	67	2	29	11	170	14	121	75	33,603
TOTALS	60,181	1,165,076	1,888,620	650,474	18,380	972	387	17,020	6,537	11,363	1,013	11,617	781	723,544

* Subsidized Operations - Information not available.

RECORD OF FERRY TRAFFIC, FRESHWATER FERRY FLEET

Route Name	Leg Trips	Passengers Not Drivers	Including Drivers	Autos	Trucks	Dangerous Cargo	Logging Trucks	Recreation Vehicles		Trailers/ Semis	Motor Buses	Motor-Cycles	Other	Total Vehicles
								Under 6 m	Over 6 m					
Albion	58,092	882,814	1,952,751	1,009,200	29,008	—	—	931	913	8,030	346	21,422	87	1,069,937
Arrow Lake (Upper)	12,972	146,608	261,913	87,363	6,874	438	898	5,174	4,826	6,884	175	1,527	1,146	115,305
Arrow Park	19,000	19,760	39,456	16,115	1,527	5	459	279	517	487	28	154	125	19,696
Barnston Island	72,226	97,430	196,352	64,147	28,610	153	1	763	27	1,937	1,180	1,793	311	98,922
Big Bar	2,604	2,210	3,895	25	1,020	46	—	16	—	36	8	114	420	1,685
* Boston Bar	104,892	126,626	200,848	33,135	38,520	—	—	—	—	—	—	2,409	—	74,222
Castlegar	77,250	435,334	935,411	318,837	173,201	9	14	1,095	371	1,728	1,644	2,840	238	500,077
Clayhurst	29,166	29,512	58,873	25,515	2,361	35	1	145	83	584	16	131	490	29,361
Francois Lake	15,442	168,217	325,117	126,107	15,031	1,408	6,711	1,697	1,625	3,650	175	193	303	156,900
Glade	85,614	88,664	188,612	95,880	1,075	10	—	230	36	112	1,374	927	304	99,948
Harrop	94,497	111,076	282,731	141,655	3,006	146	27	1,058	296	264	1,543	887	2,773	151,655
Kootenay Lake	9,332	186,039	345,806	88,770	47,528	—	958	5,336	3,481	10,636	285	2,698	75	159,767
Little Fort	15,996	14,520	21,561	2,134	4,528	—	—	31	41	2	1	244	60	7,041
Lytton	24,590	61,738	94,420	10,983	18,997	5	6	20	9	180	1,465	501	516	32,682
Marguerite	13,928	13,229	22,885	3,557	5,750	10	2	81	25	113	7	85	26	9,656
McLure	9,160	8,662	16,233	2,948	3,112	4	—	412	26	418	12	315	324	7,571
Needles	29,729	261,159	409,940	122,281	7,181	307	1,205	6,622	5,328	2,007	726	1,631	1,493	148,781
Shuswap Lake (Subsidy)	194	896	1,612	170	295	—	—	2	34	121	3	—	91	716
Usk	25,248	28,625	39,912	7,038	4,044	—	1	2	4	2	1	150	45	11,287
TOTALS	699,932	2,683,119	5,378,328	2,155,860	391,668	2,578	10,283	23,894	17,642	37,191	8,989	38,121	8,827	2,695,209

* Replaced with Cog Harrington Bridge January 28, 1986

FERRIES ROUTE USAGE, FRESH WATER FLEET

Route Name	Fuel Consumed 1000's L	Total Manhours	Cost Per Trip	Vessel Capacity Used %
Albion-Fort Langley	472	89,691.2	30.13	81.4
Arrow Lake (Upper)	970	50,927.5	104.29	27.6
Arrow Park	21	6,338.0	7.20	15.3
** Barnston Island	--	--	4.84	--
Big Bar	--	4,255.0	28.20	43.9
* Boston Bar	--	15,661.0	1.84	88.0
Castlegar	36	12,671.0	2.55	27.4
Clayhurst	70	13,700.5	11.14	27.5
Francois Lake	650	47,466.7	101.22	36.1
Glade	35	9,744.9	1.71	15.1
Harrop	57	11,800.1	2.08	16.6
Kootenay Lake	658	84,895.3	177.93	54.1
Little Fort	2	3,987.3	4.06	28.8
Lytton	--	12,359.0	8.67	92.2
McLure	1	2,441.8	5.01	54.9
Needles	300	50,024.5	35.81	20.0
** Shuswap Lake	--	--	36.08	--
Usk	15	6,188.5	5.27	26.2
TOTAL	3,287	422,152.3		

* Replaced with Cog Harrington Bridge January 28, 1986.

** Subsidized Operations - Information not available.

FERRIES ROUTE USAGE TO OCTOBER, 1985, SALTWATER FLEET

Route Name	Fuel Consumed 1000's L	Total Manhours	Cost Per Trip	Vessel Capacity Used %
Alert Bay	963	61,053.0	101.52	42.3
* Barkley Sound	--	--	1,621.77	--
Comox-Powell River	1,888	98,609.0	1,824.34	39.6
Cortes Island	200	18,203.5	265.91	64.7
Denman Island	195	26,094.0	60.01	54.5
* Dodge Cove	--	--	298.15	--
Gabriola Island	522	40,541.0	160.14	36.3
Hornby Island	126	19,285.3	71.31	59.7
* Lasqueti Island	--	--	153.00	--
* Mitco Marine	--	--	--	--
Quadra Island	411	44,345.5	101.35	66.7
Queen Charlotte Islands	92	11,316.0	130.25	47.6
Texada Island	426	39,121.0	224.65	24.6
Thetis Island	227	23,264.5	43.30	36.5
Spare Route	--	2,188.0	--	--
Courtenay Dist Office	--	9,030.0	--	--
TOTAL	5,050	393,050.8		

* Subsidized Operations - Information not available.

COMMUNICATIONS

During 1985 all radio equipment in Region 5 was replaced involving 27 mountain-top radio sites. Each site required an average of three new radios, a control shelf, and all the necessary power supply and other auxiliary equipment. Five of these sites were constructed to extend radio coverage in the Cassiar, Telegraph Creek, Bell-Irving, Ootsa Lake and Babine Lake areas. Radio performance in the Burns Lake and Salvus areas have since proved unsatisfactory so new radio sites have been selected.

Elsewhere in the Province, improvements to the radio system were made at Prince George and Revelstoke. All remote radio sites in the Province where solar power is feasible have been converted to solar power except those located north of the 57th parallel where winter sunshine is insufficient.

Preparations for converting the Region 2 mountain top radios to new equipment is underway. The radio serving the Salmon Arm area will be moved for better coverage.

Seven new remote weather stations were installed for the Senior Avalanche Coordinator in the Bear Pass, Revelstoke and Coquihalla areas. The Coquihalla remote weather stations replaced those installed last year in the same area since a different reporting and data collection scheme is now employed using different equipment.

In 1985, 300 mobile radios, 190 portable radios, 280 repeater radios, six base stations for the Air Services Branch and a large quantity of batteries, mountain-top buildings and other support apparatus were acquired. The equipment required for nine traveller's information systems (very short range AM broadcast advisory radio) was purchased for the Coquihalla Highway.

In 1985 the Communications section acquired the engineering and maintenance responsibility of the Air Services Branch air-to-ground dispatch communications systems. A new system has been designed and will be implemented in 1986.

There are several remote Highways camps in B.C. that are inadequately served by public telephone. The Communications section has designed a rural radio telephone system using Highways radio equipment being taken out of service elsewhere to effectively connect those camps by radio to either a normal or Provnet telephone circuit located in the nearest network-served community. These camps will in most cases appear in the telephone directory as a local of a Provnet exchange. Honeymoon Camp, for example, may have a Mackenzie or Prince George Provnet local telephone number.

The Victoria Communications laboratory continues to provide improved and new control equipment for the mobile radio network. All control systems are designed, constructed, and tested in this facility.

REGIONAL REPORTS

REGION 1

(D.P. Doyle, P. Eng., Regional Director Highways, Burnaby)
North Vancouver, Gibsons, New Westminster
and Chilliwack Districts

NORTH VANCOUVER DISTRICT

Roads

Maintenance: Two significant rockslides occurred on Highway 99 – Horseshoe Bay to Squamish.

On October 31, 1985, a few large boulders, measuring up to 100 tons each, dislodged from an unstable bluff approximately 250 m above the highway near Loggers Creek and damaged both the road and railway tracks below. As a result an intensive rock stabilization project was administered through Geotechnical operations.

On January 15, 1986 at 8:00 p.m., a rockslide of approximately 1,500 m^3 took place on Highway 99 near Charles Creek. The highway remained closed until 7:00 a.m. the next morning. During the closure, several large boulders required drilling and blasting.

Large debris basins became fully operational at Charles Creek, Harvey Creek and Magnesia Creek. Each is capable of receiving tens of thousands of cubic metres of debris. A culvert and spillway combination ensures proper discharge of water into the stream channel below the basin regardless of the volume of debris trapped inside.

Much of the betterment program was dedicated to machine patching throughout the District.

Construction: The guardrail replacement program continued along Highway 99 with 1,370 m of new barrier installed. Under the freeway fencing program, approximately 1 km of chain link fence was installed to replace wire fence in the North Vancouver area.

District patch paving contracts were called in the Squamish and Pemberton areas and the north approach to Lions Gate Bridge.

A concrete check dam was built below a slide area in Alberta Creek, 700 m above sea level. This project involved logging and placing concrete with a large helicopter. A rockwork project realigned Highway 99 on the approaches to Swift Creek Bridge, north of Squamish. South of Squamish, a viewpoint was developed for the "Grand Wall" climbing area of the Stawamus Chief mountain.

Road widening projects were carried out on Bowen Island to provide a storage lane for ferry traffic, also at Highway 1 and Mt. Seymour Parkway to provide a merging zone, and on Highway 99 at Green Lake in Whistler.

Bridges

A new bridge was completed at Magnesia Creek on Highway 99. Contractors also commenced road grading and bridge work at Newman Creek, Alberta Creek and the Lions Bay Interchange.

Bridge resurfacing crews installed new concrete decks on the Horseshoe Bay Overhead, Marine Drive Overpass, Lynn Valley Overpass and the Seymour Creek Bridge.

The District continued its program of bridge rail galvanizing.

Box girders were requisitioned for Ryan Creek Bridge north of Pemberton.

GIBSONS DISTRICT

Roads

Maintenance: The maintenance program was carried out generally as planned and according to the annual budget. Most of the problems related to the need for ditching, brushing and major patching. These activities were concentrated on as much as possible and generally alleviated the problems. The winter was more severe than normal for the past several years with heavy snow conditions prevalent during November and January resulting in heavy expenditure. Pavement damage in the spring was heavier than usual due to the previous winter.

Construction: The majority of funds were spent on erosion control projects. French drains were installed in a portion of the Powell River Arterial at Nootka Street. Ditching and installation of pipes were undertaken at Starfish Road and King Road. Widening, ditching and gravelling were undertaken on King and Pine Roads for a total of 1.4 km. The intersection of Highway 101 and Roberts Road was reconstructed and paved to obtain better alignment.

Bridges

Normal maintenance was carried out on all bridges in the District utilizing the Bridge Foreman and a couple of auxiliary employees.

#7336 Roberts Creek Bridge was replaced with a new concrete box stringer structure.

NEW WESTMINSTER DISTRICT

Roads

Maintenance: This year was a busy one for District maintenance area crews as they prepared their areas for the opening of Expo and assisting construction crews with the building of the Annacis Highway system. A program of landscape betterment projects was carried out on Route 1 at Kensington and Cape Horn Interchanges and on Route 99 at Matthews and King George Interchanges. Once again the District carried out a major program of machine patching in all areas of the District in preparation for Expo.

November 1, 1985 saw crews called out to repair a slide on the Barnet Highway at Gore. Approximately 16,000 m^3 of material slipped out and covered the Canadian Pacific Railway below the highway. Crews had the slope stabilized and the highway reopened in four days. In late March, crews had to replace a collapsed 1,200 mm culvert on the Lougheed Highway east of 266th Street.

Construction: District Day Labour crews continued with the reconstruction of Pacific Highway from 'O' Avenue to 32nd Avenue. Work completed in 1985/86 included the section from 16th Avenue to 32nd Avenue and the new road alignment through the Canadian Customs.

The first phase of the reconstruction of Route 10 from 177B Street to 192nd Street was started with storm drainage and curb and gutter being completed between 180th and 186th Streets. Crews also started the first phase of the realignment of the King George and 128th Street intersections with utility relocations and preload being placed.

At the Cape Horn interchange on Route 1 a new eastbound off ramp connecting Route 1 to the Mary Hill Bypass was built during December and January.

Paving

Paving work in the District this year included the following projects: Along 10th Avenue in Burnaby and New Westminster the highway was ground and repaved between Kingsway and 6th Street. Route 7A was recapped from Holdom to Gamma in the westbound lanes. On Route 1 at the Willingdon Interchange, crews ground and paved the eastbound off ramp, also Willingdon Avenue from Canada Way to the Route 1 overpass. Further east on Route 1 in Surrey the eastbound slow lane was ground and repaved from 152nd Street to 160th Street. On Route 99 the north and south approaches to the George Massey Tunnel were recapped.

Bridges

The Canoe Pass Bridge again received the major portion of the Districts timber structure repair funding. Permanent structures receiving extensive works were the Oak Street Bridge where crews repaired three spans of the concrete sub-deck, and the Port Mann Bridge main span curb and deck was refurbished. Deck resurfacing works completed this year include the structures on Route 1, Brunette, Cariboo, Stormont, Willingdon and Deer Lake underpasses and the Lougheed Highway overpass. In the George Massey Tunnel, repairs were made to the construction joints with the injection of epoxy prior to crews applying a new coat of paint to the ceiling and walls.

Ferries

Traffic volumes increased 3.4% with passenger volumes showing only a small increase of 1.2% on both ferry routes.

At Albion - Fort Langley the old ramps were replaced with a new steel deck, the pontoons and aprons were also replaced in July. During September the T'Lagunna was replaced by the Kulleet as the second ferry on the Albion - Fort Langley service. Natural gas storage facilities and compressor unit for fueling the Klatawa was installed at Albion with the Klatawa receiving its Canadian Coast Guard certification to operate as a natural gas powered passenger ferry. The inaugural run of the Klatawa on natural gas and diesel was made January 27, 1986.

CHILLIWACK DISTRICT

Roads

Maintenance: Road crews continued with routine ditch maintenance, culvert cleaning, mowing and brushing. Magnesium Chloride was again used for dust control throughout the District.

Heavy precipitation in early 1986 caused some slides and brief highway closures in the Fraser Canyon. Most notable was near Ferrabee Tunnel, west of Boston Bar, where a serious slide required a minor detour for 12 days to permit slope stabilization and clean-up operations.

Construction: Reconstruction of Ferry Road at Boston Bar was coordinated with construction of the new Cog Harrington Bridge between Boston Bar and North Bend. Work included constructing 1,615 m^2 of retaining wall, grade and drainage refinements, and riprap placement along the Fraser River.

Reconstruction of one kilometre of Highway 3 at Copper Creek Hill was completed.

New construction of 3.4 km of Frontage Roads on Sumas Prairie commenced in January.

Widening, realignment and ditching was carried out on sections of Hemlock Valley Road and associated subdivisions.

Scaling was undertaken at the Ruby Creek Bluffs on Highway 7 to reduce slide potential and increase available catchment area.

Surfacing

Paving Crews recapped various sections throughout the District, including 2.4 km of Chilliwack Lake Road, 2.2 km on Stave Lake and Farms Roads, 3.9 km on Nicomen Island and 0.8 km of Morris Valley Road. Miscellaneous sections of Highway 1 in the Abbotsford area and on Columbia Valley Road were also recapped.

In addition, paving was carried out on 0.8 km of Morris Valley Road and 0.7 km of Stirling Road.

Snow Removal

Two serious storms created white-out conditions on Highway 1 east of Abbotsford, forcing closure of the Highway for 23 hours on November 26/27 and again for nine hours on February 15/16.

Moderate conditions prevailed otherwise, requiring routine plowing, sanding and salting.

Bridges

District Bridge Crews completed reconstruction of Frost Creek #2 Bridge, Columbia Valley.

The east abutment of Silver Skagit #2 Bridge was constructed.

General maintenance and inspection was carried out.

Ferries

The Boston Bar Aerial Ferry was formally closed on January 28, 1986 in conjunction with the opening of the new Cog Harrington Bridge.

REGION 2

(D.C. MacVicar P. Eng., Regional Director Highways, Kamloops)
Kamloops, Salmon Arm, Vernon, Penticton, Merritt
Lillooet, 100 Mile House and Kelowna Districts

KAMLOOPS DISTRICT

Roads

Maintenance: Routine maintenance was carried out on all roads within the District and also within the rural boundaries of the City of Kamloops. The spring, summer and fall were all a little wetter than normal with the exception of July, which was substantially hotter and drier. Consequently, more dust abatement was used but only in the arid areas of the south and less grading was also required. Patching was normal with some new pavement in the District and a total of 30,000 m^3 of gravel was placed on various roads and a further 4,500 m^3 on shoulders.

In the winter, temperatures were a little colder while snowfall was lighter in most areas. As a result winter activities were underspent except for more patrolling and culvert thawing.

Construction: Day Labour was extensive this year. Realignment and reconstruction of 7.0 km on #625 Agate Bay Road was 40% completed and 9.7 km on #1214 Clearwater Valley Road was 25% completed. Widening and reconstruction of 4.9 km on #1651 Dunn Lake Road was 50% completed while 2.0 km of Vernon-Kamloops Highway 97 and 0.4 km of #685 Barnhartvale Road were widened and paved. The four laning of 2.9 km of Princeton-Kamloops Highway 5 near the Trans Canada junction was completed and gravel treatment of 11.8 km was done in the Pinantan Lake and Heffley Lake subdivisions. Ski trails in the Lac Le Jeune area were relocated and a parking lot built due to the new Coquihalla project. Yellowhead South Highway 5 at the Preacher Hill slide area was widened and the grade restored. Guardrail and fencing programs provided 800 m of guardrail installed and 38.1 km of fence repair or replacement and also the installation of five cattleguards. In our Minor Betterment Program 300 m of guardrail and five cattleguards were installed and 1.9 km of fence was repaired. In addition, the following was carried out on various roads: 1.6 km of road-bed construction, 4.3 km of road widening, 13.5 km of sealcoating, 22,000 m^3 of gravelling and 1,120 tonnes of machine paving.

Bridges

Routine maintenance was carried out on all bridges in the District. Extensive repairs were made to the truss on Birch Island Bridge #0960. Two other wooden bridges, Cold Creek Bridge #6262 and Fishtrap Creek Bridge #6305 were replaced with concrete box beam structures. A small wooden bridge on Campbell Creek within the City of Kamloops was completely rebuilt.

Ferries

Annual maintenance was carried out and new bridal lines installed on both McLure and Little Fort ferries. The deck and aprons were replaced on the Little Fort ferry. Both reaction ferries were shut down for three months due to ice.

SALMON ARM DISTRICT

Roads

Maintenance: The summer of 1985 brought no new surprises and as a result all maintenance activities were scheduled and completed as planned. Through betterment funding the District focused special emphasis on road upgrading and regravelling.

The District called 13 local contracts, including such areas as laundry, flagging, fencing, garbage pickup, machine paving, painting and traffic markings and graded seal.

Winter was unusual with a very cold period in November followed by a milder than normal January and February. March turned cold again and as a result weight restrictions on roads were rescinded and reapplied later as warranted by road conditions.

Subdivisions and Permits: Subdivisions were down again with only 64 lots created and .87 km of new road created and constructed. Permits were low this year with only 250 permits issued for the installation and maintenance of utility and access works. We anticipate a higher number next year with the recent expansion of Inland Natural Gas into the Chase and Sorrento areas.

Construction: Project funding was renewed this year with approximately $1.5 million being channelled towards major day labour projects. Included in these works were the upgrading and reconstruction of approximately eight km of existing roads, five km of new hot mix paving and 16 km of graded seal.

Also included under the day labour funding was the installation of 882 m of type A guardrail on Trans Canada Highway and 11,406 m of Schedule 2 fencing on various sections of the Trans Canada Highway and Kamloops-Vernon Highway 97. Two pipe cattle underpasses were also constructed on the Kamloops-Vernon Highway 97.

Bridges

Bridge maintenance was carried out as planned with diagonal bracing being replaced on the Scotch Creek howe truss bridge.

Through day labour funding, Simms Creek and Lower Kent Bridges were replaced with prestressed concrete stringer spans.

The Pritchard Bridge over the South Thompson River was also replaced with a concrete deck, timber pile bridge under the supervision of the Bridge Branch.

VERNON DISTRICT

Roads

Maintenance: Activities increased for signing on major routes, brushing, ditch cleaning and drainage works, as well as continuing dust control with magnesium chloride in all foremen areas.

With average snow fall in the District, winter maintenance was to a high standard without many difficulties.

Construction and road surfacing was heavy this year with five roads having major reconstruction projects started and 30 km of new pavement surface completed.

Approximately 660 new telespar sign posts were installed throughout the District utilizing existing sign islands and constructing new islands where required.

Eight kilometers of Schedule 2 fencing was completed under contract and 600 m of Type A roadside barrier was installed on major roads.

Also by contract, renovations were completed in the District office as well as in the electrical shop. A mezzanine for storage was completed in Enderby yard.

Numerous safety projects were completed from moving utility poles, site distance improvements, widening and surfacing shoulders in school areas to traffic island control, with good results.

The regulatory function was normal with the processing of 151 subdivisions and issuing of 539 permits.

Bridges

Lumby Bridge on Vernon-Slocan Highway 6 at the Village of Lumby was replaced with a concrete box beam structure. Baxter Bridge on Trinity Valley Road and Sugar Lake Bridge on Sugar Lake Road were given major rebuilding. Lesser works were completed on another five structures.

PENTICTON DISTRICT

Roads

Maintenance: Normal maintenance was carried out on district roads this year with particular emphasis placed on certain road surface activities. This program included extensive patching on most major highway routes, and a seal coat program for collector roads in the Penticton, Oliver and Princeton areas.

A district cracksealing program was carried out in the late fall, and included the preventative maintenance being done on most major routes including Highways 97, 3, and 3A.

Machine brushing was carried out in all areas in order to improve sight distance, and a heavy ditch cleaning program was necessary due to some drainage problems encountered in the early spring.

Winter maintenance requirements were heavy earlier in the winter due to unusually frequent snowfalls. Local ski resort roads such as Apex Mountain and Mount Baldy received heavy snowfall throughout the season.

Bridge maintenance included rail replacements in several areas as well as redecking of several bridges in the Penticton and Princeton areas.

Construction: Several major construction projects were undertaken during the past year, including the placement of a test fill for future four-laning of Highway 97 between Penticton and Summerland. This test area consisted of fill being placed in Okanagan Lake to determine stability. Other projects included reconstruction of approximately six km on Apex Mountain Road which serves the Apex Alpine ski area, further improvements to the Oliver-Camp McKinney Road (Mt. Baldy ski area) and miscellaneous paving in the Oliver-Osoyoos areas. Construction continued on several Princeton area projects including Princeton-Summerland Road #40, Old Hedley Road, and reconstruction of the Highway 3-Vermillion Avenue intersection in Princeton was started in October.

Penticton area roads construction continued on McLean Creek Road and North Naramata Road as well as repaving of four km on the Naramata Road.

Bridge day labour projects included major pier replacement at the Ashnola Bridge near Keremeos and construction of the Black Sage Bridge near Oliver was begun in February.

MERRITT DISTRICT

Roads

Maintenance: 1985/86 was a busy year for the Merritt District with construction of the new Coquihalla Highway placing some unusual demands on the district's maintenance operation. The Patchett Road was gravelled extensively. Another section of cracksealing using a hydro/tech product was tried north of Merritt on Highway 5. In addition, extensive machine brushing was undertaken on both Highways 5 and 8.

Winter began in early November, and along with the rest of the Province, record breaking cold temperatures resulted in extensive problems with culverts freezing and frost heaves. Thaws and rains in both January and February also caused a large amount of flooding and damage as a result of the deep frost penetration from the November cold spell. The District experienced average to low snow falls throughout including the Coquihalla Pass.

Construction: A lot of effort was expended by the District on upgrading Highway 5 north in anticipation of Coquihalla traffic. This included the installation of additional guardrail, improvement of intersections and construction of various bus pullouts. Two sections of the Douglas Lake Road were also reconstructed. A section of Highway 8 close to Spences Bridge was rebuilt. In addition, there was a variety of spin off work associated with Coquihalla construction. Tote roads were built over the phase two and phase three centerline corridors, and sites and accesses were built for the new yard facilities in Merritt and at Coldwater Camp.

Bridges

The Merritt District constructed two bridges during the year. The Ward Bridge, a crossing built during winter on the Upper Nicola River, and a bridge across the Lower Nicola closer to Merritt. There was also a considerable amount of bridge work associated with phase one of Coquihalla construction. Numerous detour spans were installed and later removed.

Ferries

The Lytton Ferry operated normally throughout the year. Routine maintenance such as repairs to the main cable, bridle and electrical system were undertaken. In addition, one of the approach ramps was redesigned and rebuilt.

LILLOOET DISTRICT

ROADS

Maintenance: The Lillooet Highways District performed regular scheduled road maintenance in all three foreman areas. The Lillooet-Pioneer Road #40, between Lillooet and Goldbridge, was treated with magnesium chloride dust palliative for the entire length and additional sites were treated on Gun Lake Road #90. Maintenance contracts were tendered for: litter pick-up and rest area maintenance in the Ashcroft Foreman Area, flagging services, summer rock patrol in Lillooet and Goldbridge, production of winter sand; gradall ditching in Ashcroft, asphalt machine patching in Lillooet and Ashcroft, machine brushing in Lillooet, and snowplowing and sanding contracts. The winter months experienced predominately freezing temperatures especially in November with record lows.

The Avalanche program recorded average snowfalls therefore normal road closures were encountered on Duffey Lake Road #99 and on Lillooet - Pioneer Road #40.

Construction: Highland Valley Road #173 construction from Barnes Lake Corner to Relief Pit was completed in time for paving in June. Widening and gravelling was done on the Duffey Lake Road #99 and the Lillooet - Pioneer Road #40. Seton Portage, Shalath and Texas Creek area roads were surface treated with a double seal of asphalt and gravel. Lytton-Lillooet Route 12 was realigned at the intersection of Sumner Road #200. Clearing and grubbing was contracted out for the Gun Lake Perimeter Road.

Fencing repairs were performed on the Highland Valley Road #173 and the Trans Canada Highway rights of way.

Guardrail was installed on the Highland Valley Road #173 and on Lillooet-Cache Creek Route 12.

Bridges

Priester Creek Bridge on Duffey Lake Road #99 was replaced by a multiplate culvert installed by contract. The Bonaparte #4 Bridge on Cariboo Highway 97 underwent extensive deck repairs due to failures. Work was begun on the new Roger Creek Bridge, and Barton Bridge was replaced and a new abutment, made with gabions, enabled a shorter span.

100 MILE HOUSE DISTRICT

Roads

Maintenance: District maintenance programs went according to schedules with emphasis placed on road base strengthening and regravelling. The District continued its extensive ditching program with 51,000 lineal metres accomplished. Patching requirements remain to be a high priority as paved road surfaces continue to deteriorate on Cariboo Highway 97.

Winter started early with -40° recorded in November then returning with average and above temperatures and less than average snowfall. Chemical usage was above normal due to constant freeze-thaw cycles. The District again used two shifts.

Construction: Numerous projects were undertaken by District crews with major and minor improvements accomplished. The Day Labour Program includes rebuilding Cariboo Highway 97 in the area of 83 Mile for 2.44 km; #77 Empire Valley Road 2.5 km; #79 Meadow Lake Road 2.8 km; #85 Gang Ranch Reservoir Road 12.85 km; #353 Timothy Lake Road 2.9 km; #126 Jesmond Road 3.5 km; 108 Mile Ranch Subdivision area 2.75 km; #403 Tatton Station 2 km, and Mercer Subdivision area roads 1.4 km.

The District also completed numerous other projects in fencing of Schedule 2 Highways, Cariboo Highway 97 refenced for 8.5 km and #24, 93 Mile Little Fort, new fence for seven km.

A cattle underpass was installed at km 109 of Cariboo Highway 97.

Bridges

Maintenance was carried out as required on all bridges in the District, washing, handrail painting and minor repairs. Four trusses were replaced in the Churn Creek suspension bridge. This type of timber truss was fabricated by using a power saw and Alaskan Mill. A new experience for our bridge crew, enabling them to gain valuable experience.

In addition, a standard timber five span pile bridge was completed, replacing Shertinlib #7525, length of 28.9 m.

Ferries

The Big Bar Reaction Ferry continued operation from spring to late fall. Pedestrian service was provided by the aerial ferry over the winter. Both structures were inspected and tested during the summer by consultants.

KELOWNA DISTRICT

Roads

Maintenance: This year's Maintenance Program proceeded in most part according to plan with the dominant activities being ditching, patching, sealcoating and dust control. A total of 54 km of dustlay was necessary this year and sealcoating was carried out over 32 km throughout the District. A crack filling contract sponsored by Regional Headquarters was carried out on Highway 97 in Kelowna on a trial basis. This work was comprised of 5,300 linear metres using a Hydro Tech. 6165 material. Results proved to be only 60% to 70% successful. On July 29, 1985, a forest fire on Highway 97 north of Winfield was reported, which prompted a highway closure from 12:30 p.m. to 5:00 p.m. Traffic was detoured via Woodsdale and Oyama Roads. A further closure was necessary for approximately four hours on the following day to permit cleanup.

Construction: An extensive construction season was realized this year resulting in the completion of 6.8 km of reconstruction, gravelling and asphalt paving of several major collector roads in the District. In addition, 2.2 km of collector roads were strengthened and repaved and 0.8 km of the Fish Lake Road in the Summerland area was reconstructed and gravelled. Intersection improvements were carried out to provide for left and right turn traffic movements on Highway 97 at Buchanan Road in Peachland, Highway 97 at Prairie Valley Road in Summerland, and Benvoulin Road at K.L.O. Road in Kelowna.

Bridges

Forty bridges throughout the district were cleaned with deck and fence repairs carried out as necessary. The Mission Creek #8 Bridge on Three Forks Road and the Hallam Creek Bridge on the Big White Road were completely re-decked. The McDougal #2 Bridge and the McDougal #4 Bridge were dismantled and reconstructed.

Buildings

A new maintenance building for the use of the Okanagan Lake Bridge maintenance crew was completed at the west approach to the bridge causeway.

REGION 3

(W.M. Sproul, P. Eng., Regional Director Highways, Nelson)
Nelson, Rossland, Grand Forks, New Denver, Cranbrook,
Fernie, Golden, Revelstoke and Creston Districts

NELSON DISTRICT

Roads

Maintenance: Normal maintenance activities were carried out during the year with the district experiencing a fairly light winter which resulted in less plowing and sanding activities.

Construction: Work was continued on Highway 3A east of Nelson with considerable right-of-way acquisition, clearing, pole moves and construction undertaken. 0.5 km of Knox Road was widened, 0.1 km of Blewett Road was widened, and 0.1 km of the Erie Ross Spur Road was widened and improved. A total of 15 km of sealcoating was undertaken and 15.2 km of shoulders were sealcoated.

Bridges

Reconstruction was carried out on Wildhorse Bridge on Wildhorse Road near Ymir. Pass Creek #8 bridge was replaced by a multiplate culvert, and the Campbell Bridge deck and approaches were paved at Lower Six Mile Road.

Ferries

Summer traffic remained similar to recent years. Maintenance on all Ferries was normal with no major problems. Some dolphins were replaced at Kootenay Bay.

ROSSLAND DISTRICT

Roads

Maintenance: District maintenance activities during the year provided a good level of service on all highways in the District. Emphasis was placed on machine patching with machine laid hot-mix asphalt to overlay poor pavement sections requiring constant patching on the Rossland-Trail Hill, East Trail-Glenmerry sections of Highway 3B and some short sections on Highways 3, 22 and 22B. Railway crossings at Rivervale and Highway 22 were raised and realigned by C.P.R. crews resulting in considerable work by District forces to tie in roads to tracks for vehicular traffic use. Crack sealing by contract was carried out on the Castlegar-Meadows section of Highway 3 under direction of the Regional Roadside Landscape Supervisor. More sealing by contract is now proposed as the program for 1984/85 was quite successful.

Other activities given more emphasis were ditch cleaning, culvert maintenance, grading and sign maintenance in all Foreman areas. One washout on Casino Road, April 6, 1984 required more than normal maintenance as a large culvert and fill was required to restore to normal use. The guardrail program funds were used to purchase and stock material for placement next fiscal year on Highway 3, Blueberry-Paulson area. Purchased guardrail was stockpiled in Nancy Greene Pit. Crushed gravel was produced by contract and stockpiled in Nancy Greene Pit (7,500 m^3) for use as winter sand.

Construction: Winter came early with the heaviest snowfall on November 1, 1984 and subsequent storms continuing with little let-up until January 1985. Although little snow fell at lower levels in the New Year, temperatures dropped below zero and remained through January, February and March with no warming periods or rain as in past years. Material usage (sand/salt) was heavy in early winter, mid-October to the end of December, tapering off to low usage January-March 1985. Rossland-Castlegar crews worked 10 hour shift patterns during the winter with Fruitvale working seven hour shifts. Mechanical staff maintained equipment in good running condition and little time was lost to equipment breakdowns over the winter months.

Bridges

Bridge cleaning and repairs to decks, railings etc. were carried out as required throughout the District. Under Bridge Day Labour a section of Beaver Creek Bridge #2, Fruitvale Area was eliminated with the installation of an arch plate culvert by the Bridge Crew. Snowplow and tailgate sander rack in the Rossland Yard was improved by Bridge Crew. New cables (one drive, two guides) were replaced on the Castlegar Ferry by the Bridge Crew.

Ferries

Minor repairs were undertaken as required on the Castlegar Ferry by mechanical and ferry crew personnel. Very little shutdown was required as repairs were minimal. Down time totalled approximately five days with cable replacement and repairs to hull accounting for approximately four days of the total. Hours of operation have been reduced from previous years as the ferry now operates 15 hours daily from 6:00 a.m. to 10:00 p.m. with the crew working seven and a half hour shifts.

GRAND FORKS DISTRICT

Roads

Maintenance: While the district experienced a long and cold winter, no unusual problems were encountered during the spring run-off.

Regular maintenance was carried out, with emphasis on ditching along Highway 3, Highway 33, and problem areas on minor roads during April and May.

Dust sites were treated with dust palliative as required during the early summer. The seal coating program continued with 3.5 km treated on Highway 3, 6.5 km on Highway 33, and 13.2 km on sundry roads.

The Beaverdell and Bridge yard sites were landscaped in preparation for security fencing. A new electrical service, yard lights, and block heater outlets were installed at the Bridge yard by the Regional Electrical Crew. Block heater outlets were also installed at the Grand Forks and Beaverdell yards.

A contract was let for rest area and litter barrel maintenance for the entire District. The precasting of one hundred concrete bases for telespar sign posts was also carried out under contract.

Improvements were made at the Hall Creek Rest Area. Work commenced on a new rest area site on Highway 3 east of Christina Lake to replace an existing site at Lafferty.

A 3.7 km reconstruction and pulvi-mix project was completed on the North Fork Road. Approximately 18.4 km of sundry roads were improved under the Minor Betterment Program. Portions of the Beaverdell Station Road and the Kettle Valley South Road were relocated to the abandoned Kettle Valley Railway right-of-way.

Construction: On Highway 3, a left turn slot was constructed at the junction of the Kettle Valley South Road. A 1.1 km section of the Christian Valley Road was widened and improved and a 2.0 km section of the Mount Baldy Road was upgraded. The shouldering program continued on Highway 33 with approximately six km completed during the year.

A paver laid hot mix overlay was applied on 3.5 km of Highway 3 west of Grand Forks and on 2.0 km of Highway 33 north of Beaverdell.

The guardrail program continued, with 490 m of 690 mm guardrail installed at three locations on Highway 33 . Under the Schedule 2 Fencing Program, work on 27.5 km of fence was completed along Highway 3 and Highway 33.

Bridges

Contracts were let for pile driving at the Beaverdell, Blythe, and Lafferty Bridge sites. In addition, a contract was let for the relocation of two C.P. Rail Bridges from the abandoned Kettle Valley Railway to replace Beaverdell and Blythe Bridges.

On July 29, 1985, during the height of the forest fire season, one span of the Kettle Valley Howe Truss Bridge collapsed sending a tandem truck and skidder into the Kettle River. Fortunately no one was seriously injured. The remaining Howe Truss and approach spans were removed and replaced by a 61 m triple single reinforced Bailey Bridge supported by H-Piling at the abutments and the existing center pier.

A contract was let to replace the Atwood Bridge, which has been closed for some time. The new structure will be a 110 m, four span concrete box stringer bridge scheduled to open in May 1986.

NEW DENVER DISTRICT

Roads

Maintenance: Due to a light snow pack the spring runoff was normal with no damage to our roads. Some deterioration to the pavement on Highway 6, Nakusp south and Highway 23 north, created extra handpatching and grader patching. A mud slide occurred north of Nakusp on May 10, 1985 closing the Highways for two and one-half days. Approximately 16,000 yards of material had to be removed from the slide. All roads in the district were well maintained and 344,243 litres of Magnesium Chloride was applied to 72 km for dust control.

Construction: One-half a kilometre of Highway 31 south of Lardeau was rebuilt and completed to subgrade and is to be finished with a graded aggregate seal early in 1986. Highway 6 north of Hills was realigned for 1.8 km, and completed to sub base with a minimum crush surface. This section will be finished with a graded aggregate seal in 1986. Seven hectares of the right-of-way was also cleared further north as an ongoing project. Three hundred metres of Highway 6, south east of Nakusp was realigned to eliminate a sharp curve and will also have a graded aggregate seal surface in 1986. A five hundred metre section was rebuilt and gravelled on the Red Mountain Road south of Silverton.

Bridges

Routine Maintenance was carried out on existing bridges and three new bridges were constructed under Bridge Capital, two on Highway 31 and one on Highway 31A. Goat Creek Bridge on Highway 31A, a log stringer bridge was replaced with a steel pile and box beam 8.5 m x 9.1 m. Lost Ledge, a log stringer bridge was replaced with a steel pile concrete abutment and box beam bridge, 9.6 m x 12 m. Davis Creek, a log and timber bridge was replaced by a steel pile concrete abutment structure. A District crew drove the piling and the rest of the bridge work was built under contract. At Lardeau River Bridge, a quadruple single reinforced 67 m Bailey, the wood piling at the center pier was replaced with 18" pipe piling.

Ferries

Ferry Operation for the MV Needles was normal without any major disruptions. One V.S.P. drive was removed and a rebuilt one installed with only a few hours delay during the night.

Arrow Park cable ferry was out of service for 10 days in August and seven in November due to breaking of the main shaft on the drive pulley.

CRANBROOK DISTRICT

Roads

Maintenance: District roads were well maintained during the year with some manhours transferred to maintenance management activities of a higher priority. Summer activities included ditching, brushing, grading, patching, road base repairs, and sign maintenance.

Dust abatement in the form of calcium lignosulfonate was placed on 28 km of gravel and dirt roads. Extreme cold temperatures with little snow cover in November, 1985 caused considerable flooding throughout the District during a warm spell in February, 1986. Snowfall for the winter months was average with numerous freeze-thaw cycles and surface frost heaves apparent.

Construction: Capital day labour work included the flushcoating and sealcoating of 29.0 km of gravel and previously flushcoated subdivision roads. Machine paving was completed on 2.6 km of #81 Monroe Lake Road and 1.0 km of #149 Silver Spring Drive in the Cranbrook area. Two Schedule 2 fencing contracts were called and work was completed on 0.9 km of fencing adjacent to Crowsnest Highway 3. Minor betterment work in the District included a contract for placement of a machine patch at various locations on Kootenay-Columbia Highway 93 and 95, totalling 1.8 km, while a 2.8 km section was completed on Kimberley Highway 95A. Construction and reconstruction of gravel roads was undertaken on 5.0 km, while 8.8 km were surfaced with 19 mm crushed gravel.

Extensive landscape work was completed near the Cranbrook North Interchange at the Junction of Crowsnest Highway 3 and Kimberley Highway 95A.

Bridges

#432 Springbrook: A total of 103 m of concrete curbing was removed and replaced using Concresive 1001 LP bonding agent.

Galvanizing of 580 m of fence panel was completed on four main highway bridges.

Buildings and Yards

Construction of a new roof over the Cranbrook area plow rack was completed, and loader sheds constructed at two gravel pits in the District.

FERNIE DISTRICT

Roads

Maintenance: The District's maintenance program was completed generally as planned. Earth slides on the Morrissey Road necessitated increased expenditure for slide removal. Considerable ditching was undertaken in the Elko to Fernie and Fording Mine Road sections. The use of filter cloth and rock backfill was used in several sections. Our patch paving program was continued again this year with emphasis on Highway 3 between Fernie and the B.C. Alberta border and the Fording Mine Road. Various contracts were also called to assist in completion of the annual plan. These consisted of winter maintenance on the Fording Mine Road, litter barrel and rest area maintenance, patch paving, fencing and crack sealing contracts.

The winter was below average in snowfall which resulted in low equipment usage.

Construction: Corbin Road reconstruction was completed along with Phase I of reconstruction of the Fernie Ski Hill Road. Various paving and ditching programs were initiated with Day Labour funds.

Bridges

Regular maintenance was undertaken on all bridges. Bridge Day Labour consisted of redecking and new cross ties on the Elkford and Fording Bridges. The east pier on the West Fernie Bridge was repaired and the piles were installed for the new Sand Creek Bridge.

Buildings

A new salt shed was constructed at Monsoon Pit in the Sparwood Foreman Area.

GOLDEN DISTRICT

Roads

Maintenance: A major project of brushing, ditching and gravelling took place on various side roads in preparation for a graded aggregate seal program in 1986.

Crack sealing and machine patching was carried out on trunk highways within the District.

A 30 m long bin wall was constructed to stabilize a fill section on Highway 93 at Radium.

The 27" no post guard rail program was completed.

Funds from Schedule 2 fencing were used in part to replace fencing destroyed by forest fires.

Two Expo 86 mounds were constructed, one at Golden and the other at Radium in preparation for landscaping.

The onslaught of an early winter with its light snow fall resulted in deep frost penetration which caused above normal problems with icing in ditch lines and on weeping cut banks.

This resulted in a heavier than normal use of calcium chloride for ice control. Graders, backhoes and caterpillar tractors were used to free the ditches of ice build up. Glacial fences were used on several sections to prevent ice from creeping onto the road way. A good level of maintenance was carried on throughout the District during the year.

Bridges

The ongoing galvanization of fence railing was continued. Channel work, dyke construction and repair took place for Toby Creek Bridge #29 and Horsethief Bridge #258; both on Westside Road #2. The 55 m long Beaverfoot bridge #8184 was redecked.

A concrete overlay was placed on Channel #6430 box beam bridge.

Work started on the reconstruction of the 101 m long pile trestle/log stringer Brisco Bridge #317.

Maintenance, repair and driftwood removal took place where necessary for all bridges within the District.

REVELSTOKE DISTRICT

Roads

Maintenance: Regular maintenance was carried out throughout the District, with emphasis placed on ditching on Trans Canada Highway and Nakusp-Mica Creek Highway 23. The spring run-off was relatively light with no major flooding problems occurring. Erosion of highway embankments necessitated the construction of a lock block retaining wall on Trans Canada Highway, 34 km east of Revelstoke and the installation of 150 m of perforated pipe 80 km north of Revelstoke on Nakusp-Mica Creek Highway 23 .

There was a below average snowfall for the winter with one major avalanche cycle between February 24 and February 27, resulting in the following highway closures: Trans Canada Highway - 83 hrs, Nakusp-Mica Creek Highway 23 (North) - 55 hrs and #31 Balfour-Kaslo Galena Bay Highway - 39 hrs.

Recap paving was carried out by contract on Trans Canada Highway (1.3 km) and Nakusp-Mica Creek Highway 23 (2.8 km). A total of 33,423 m of crack sealing was undertaken by contract on Trans Canada Highway east of Revelstoke. Installation of 1,280 m of 690 mm guardrail was completed on Trans Canada Highway.

Construction: Reconstruction of a 1.0 km section of #31 Balfour-Kaslo-Galena Bay Highway was 75% completed. Gravelling shoulders continued on Nakusp-Mica Creek Highway 23 (South). The south approach fill was reconstructed to #303 Greely-Illecillewaet Bridge on #611 Greely Road.

Bridges

Routine maintenance was carried out on bridges within the District as required. Reconstruction of the south approach span using box beams was completed on #303 Greely-Illecillewaet Bridge. Linseed oil was applied to bridge decks on Nakusp-Mica Creek Highway 23.

Ferries

The M.V. Galena maintained a regular schedule throughout the year with only minor delays to accommodate repairs to engines and generators. A wall was constructed along the rock slope at Shelter Bay Ferry Ramp to prevent rock fall and improve the alignment along the irregular rock face.

CRESTON DISTRICT

Roads

Maintenance: Regular maintenance was carried out throughout the District with considerable crack sealing required on main highways. A total of 33 km of seal coating was completed on District feeder roads. November was unseasonably severe although very little frost damage occurred.

An early spring did not create any abnormal problems with very little erosion control required. Subdivisions and permit applications processed were approximately the same as the previous year with 77 subdivisions and 94 permits being processed.

Winter in Kootenay Pass arrived on schedule in early November with very cold temperature followed by little snowfall (39 cm) in December. This created a weak, unstable snowpack. Total snowfall for the season was the lowest in the history of the summit with only 714 cm being recorded. A total of 180 avalanches was observed with 119 of these being controlled by explosives. Total road closure time was 94 hours 45 minutes - the longest closure being 14 hours 30 minutes January 18-19, 1986. Most of the closure time was in the form of "minor delays".

Construction: Most construction was of a minor nature on side roads consisting of gravelling, shouldering, drainage correction, etc. However some road/bridge protection work was carried out in Crawford Creek, Goat River and Meadow Creek. Rock removal along Highway 3-A in March greatly improved the sight distance and created wider ditches and shoulders. Approximately 630 m of 690 mm no post guardrail was installed and 2,000 m of Schedule 2 fencing was completed.

Bridges

Regular maintenance was undertaken on 29 structures throughout the district with several minor repairs completed. A new concrete deck was placed on Boulder Creek Bridge and pilings and caps were placed for a new bridge over Meadow Creek. Crawford Creek structure was lifted and new caps, cross ties and hand rail installed. Nicks Island South Bridge approach spans were raised and new caps, end posts, wheel guards and fence installed. Of significance on this structure was the installation of a new deck made of Ekkiwood, a long-wearing hardwood.

Buildings

General maintenance was carried out and conceptual design was completed for a new camp complex at Kootenay Pass.

REGION 4

(L.A. Broddy, P. Eng., Regional Director Highways, Prince George)
Prince George, Quesnel, Dawson Creek, Fort St. John,
Vanderhoof, McBride and Williams Lake Districts

PRINCE GEORGE DISTRICT

Roads

Maintenance: The previous winter produced an average snowfall which melted early in 1985. There were several minor drainage and flooding problems but damage was minimal and quickly attended to by District crews. No abnormal frost heaving or break-up was encountered on local or trunk highways.

There was one major mud slide on Yellowhead Highway 16 near Slim Creek. Repair required construction of a rock berm at the toe of the fill slope as well as extensive slope and shoulder repair.

A major brushing program was conducted on Highway 16 west and John Hart Highway 97, north of Highway 39.

Large asphalt patches were required on five C.N.R. crossings and major gravel fills were required on seven crossings between Prince George and Longworth due to raising of the tracks.

Summer weather was exceptionally dry assisting our minor betterment, regular road improvements and maintenance program throughout the District.

Cold weather early in the fall of 1985 combined with average snowfall, necessitated above average use of winter sand.

Freeze-thaw cycles in late December of 1985 and January of 1986 resulted in average road salt usage.

The freeze-thaw cycles caused frozen culverts and drainage courses resulting in flooding in some local areas. No major road or private property damage resulted.

Construction: Major drainage improvements and rock cut widening were performed on the Yellowhead Highway 16 from Bowron River to Crescent Spur.

Construction began on John Hart Highway 97 approach fills for the new B.C.R. overpass at Salmon Valley.

A total of 11 km of right-of-way clearing was accomplished on the new route to Longworth.

Reconstruction including realignment was initiated on the Hart Highway from Bear Lake to Kerry Lake including gravel fills through swamps and eliminating three Anguamac Bridges.

One kilometre of right-of-way was cleared along the Ness Lake Road in preparation for route relocation.

A total of 2.6 km of the Upper Mud River Road was reconstructed.

Right-of-way clearing and ditch improvements were carried out on 10 km of the Upper Fraser Road.

Crush gravelling was continued on the Mackenzie Arterial north of the city centre.

Approach fills and rip-rap were placed for the approaches to the Yellowhead-Fraser River Bridge at Prince George.

There were 5.73 km of minor roads grader paved using recycled asphalt materials.

Reconstruction, ditching, and crush surfacing were carried out on 28 km of minor roads.

There were 10 km of fencing completed on schedule 2 highways and 1.4 km of guardrail was placed on trunk highways..

Bridges

Damage repair, regular maintenance and inspections were carried out on District bridges as required.

Three concrete deck bridges on the John Hart-Peace River Highway were dismantled and replaced by culverts.

The Six Mile Lake Bridge was replaced with a prestressed concrete stringer, pile trestle bridge.

Extensive welding was carried out on the deck of the Old Fraser River Bridge.

The McPhee Bridge and Read Bridge were replaced by log stringer, pile trestle bridges.

Rip-rap was placed under several District bridges.

Needle beams were installed on the Kennedy Bridge.

Contract work commenced on the new Airport Hill Bridge crossing the Fraser River.

Buildings

A new salt storage shed was constructed at the Slim Creek maintenance yard.

An extension was added to the Bear Lake Garage which provided an assembly room, foreman's office and first-aid room, and new bathroom facilities.

QUESNEL DISTRICT

Roads

Maintenance: Light snow conditions and cold temperatures during the winter led to frozen culverts and heavy drainage problems in all areas. Frost heaves in the Nazko area were severe.

Dust control was undertaken early in the year and dry weather led to repeated applications in many areas. Approximately 130 km received dust control.

Construction: Hot, dry weather contributed to good construction conditions throughout the summer. The construction of four lanes on Bouchie Lake Hill and adjacent frontage roads was substantially completed. Safety Improvements to North Star Interchange, reconstruction of Tibbles Road and gravelling of Nazko Road including reconstruction of two km through the Nazko Indian Reserve were all completed.

Crushed granular surfacing was placed on six km of the Bowron Lake Road. Hill Road relocation was completed in the McLeese Lake Area. A total of 46.1 km of Cariboo Highway 97 North was paved under contract. Pavement grindings were also placed and recycled on 11.7 km of sideroads under this contract. A total of 20.5 km of paving on Bouchie Lake Hill and associated side roads was undertaken and partially completed under contract.

Some 32.6 km of Schedule 2 fencing was completed under contract and 860 m of no post guardrail was installed on Cariboo Highway 97 and Barkerville Highway 26.

Ferries

The reaction ferry at Marguerite was in operation from April 17/85 to Nov. 10/85. The aerial cage was used during winter months.

Bridges

Bridges constructed included a 10 m precast concrete bridge over a back channel of the Quesnel River at Gravelle, a 12.2 m timber stringer bridge over Mackin Creek in the McLeese Lake Area, a 10 m precast concrete bridge over Hamilton Creek also in the McLeese Lake Area, a 15.2 m timber stringer foot bridge over Baker Creek in the Tibbles Lake area.

Extensive repairs were undertaken on Cottonwood, Titetown, Gravelle and Cinema bridges.

DAWSON CREEK DISTRICT

Roads

Maintenance: April of 1985 was warm and dry allowing for a rapid spring breakup. There was much dust control required during the dry weather operation up to September which required the use of water trucks. All pavement repairs were completed in good time and the surface remained in good condition until late September when the weather changed and conditions remained cold and wet until October 20, 1985 when winter arrived. Again all dirt and gravel roads were frozen in a rough and rutted condition. Frequent weather changes plagued shift crews and necessitated much attention to road surfaces.

During the summer maintenance activities ranging from grading and ditching to litter pickup were completed as required. Also a heavy pavement maintenance program was undertaken in all foreman areas, except Tumbler Ridge where the pavement was new. Apart from various hand and minor machine patching, 6.2 km of full road width machine patching was completed.

Construction: Construction and Betterment programs resulted in 16.4 km of gravelling, 355.0 km of regravelling and 8.2 km of seal coating.

Heavy construction was undertaken on the Fellers Heights section of the Heritage Highway with 2.7 km reconstructed to paving standards on the north end and 6.5 km rebuilt to the same level on the south end. In addition, a 20 km section of previously reconstructed Heritage Highway was improved with additional levelling and base strengthening in advance of paving by contract.

Shoulder widening on 20 km of Highway 97S near Chetwynd was completed in advance of contract paving, also shoulder widening for 12 km was completed between Dawson Creek and Pouce Coupe on Highway 2 in preparation for further paving. Paving by contract was as follows: 2.9 km Highway 97 East Pine Hill, 12.0 km Jackfish and West Fraser Roads, 19.4 km Heritage Highway and 20.6 km recap on Highway 97 in the Chetwynd area. Reconstruction and paving of 16 km on Highway 97 was carried out in the Pine Pass area by contract.

Bridges

The Bridge Maintenance program included cleaning and inspection of all bridges in the district as well as various amount of repair work on 25 separate bridges. Capital works undertaken were considerable, three bridges were replaced by multi-plate culverts: Jerome Bridge, Peterat Bridge and Collins Bridge.

The following bridges were replaced with new or rebuilt structures:

Brassey Bridge #7105	Steel & timber trestle	2(6) 1(31) metre span
Close Bridge #7277	Timber trestle	2(6) metre span
Pys Bridge #7283	Concrete stringer	10 metre span
Barth Bridge #7281	Concrete stringer	10 metre span
Dusney Bridge #7278	Concrete stringer	10 metre span
Tuskoola Bridge #7294	Timber trestle	13 metre span

Also, construction started on the 295 m long Clayhurst Bridge #2719 over the Peace River with approximately 30% completed by March 31, 1986. This bridge will replace the Clayhurst Ferry.

Ferries

After winter shut down, the Clayhurst Ferry started operating March 26, 1985 and with only minor interruption for repairs continued until January 25, 1986, when it was shut down due to ice conditions until February 9, 1986. The Ferry then continued to operate without interruption. Traffic volumes however, continued to be low as in the previous fiscal year.

FORT ST. JOHN DISTRICT

ROADS

Maintenance: Spring was late arriving with the result that road restrictions were in place in early June. Light snow fall over the preceding winter translated into minimal run-off damage with less culvert-thawing required. The dry spring continued through an exceptionally dry summer, thus necessitating heavy use of pre-wetting for grading activities. A major slide occurred in late August on Road 103 on the north side of the Beatton River. The road was closed for two days and repairs took two months. In September, the trend reversed with almost record setting precipitation, making it difficult to prepare the roads for a slightly early freeze-up in late October. Once November passed, which was extremely cold, the balance of winter was exceptionally mild, resulting in culvert thawing beginning in January and continuing to year end.

Construction: It was an active year for day labour with 540 km of gravel roads regravelled. The Fish Creek Bridge on Road 101 was replaced with a large multiplate pipe. Several roads were prepared for paving scheduled for 1986, including the Highway 97-Highway 29 intersection, Road 271 to Beatton Park and the West Bypass. This work consisted of road widening and application of sub-base and base gravels.

In addition to these major works, many smaller projects, including betterments, were completed. The Day Labour Program ended in December, later than usual this year, due to delays caused by extensive repair work on the Beatton Slide and because of the wet September.

Bridges

The Fort St. John Bridge crew continued the superstructure repairs to the Hudson Hope Suspension Bridge. The old wooden trestle Siphon Creek #1 Bridge was replaced with a three-span concrete stringer bridge founded on steel H-piles. The old three-span wooden trestle Murdale Bridge was replaced with a new treated wood four-span structure founded on treated wood piles.

Buildings

A heated garage for storage of Ministry units was leased in March to assist winter operations.

VANDERHOOF DISTRICT

Roads

Maintenance: A warm May created dust problems in the southern area of the District, while extensive road base repair was necessary in the Fort Saint James area.

As in the past, calcium-chloride was spread by supplier and district as a dust control agent, however after August, no additional problems were encountered.

Machine and temporary patching, crack sealing, regravelling of roads and shoulders and brushing activities all received extra attention.

Winter maintenance was light except for sanding due to extensive fog accompanied by low temperatures in November and a light snow pack in the valley.

Construction: Day Labour consisted of the continuation of reconstruction on the Francois Lake and Tachie Roads, while new and upgrading of existing farm roads was the priority in the Vanderhoof Area. Schedule 2 fencing and guard rail installation continued as in the past.

Bridges

Thirty-four structures were cleaned and washed, and seven received minor repairs. Starkey #7001 and Tatsutnai #7808 were replaced by culverts. Corkscrew #6998 was rebuilt using treated piling with log stringers.

Discovery #6971 and Germansen R. #6964 had new log stringers, cross-ties and decking placed. Mesilinka River Bridge #7577 was reinforced and two 12 metre log approach spans were replaced with Bailey bridge. Reck #7998 added 13 timber stringers, new cross-ties and decking. Ten other structures received various improvements, while Gorgeous #8000 and East Fork #7745 were totally replaced with steel piling, treated walls and steel stringers. Five minor structures were replaced with metal culverts.

Mining Roads and Trails

Improvements including extensive grader ditching, gravelling and culvert replacement were carried out with emphasis on the northern end, km 290 to km 428. Winter maintenance from Fort St. James to km 241 was again conducted by a four ton truck with a front end plow.

MCBRIDE DISTRICT

Roads

Maintenance: Winter shifts were engaged two weeks earlier than normal as a result of significant freeze thaw cycles during October. The recorded annual snow falls in the McBride, Tete Jaune and Blue River areas were considerably less than previous winters. Freezing rain resulted in a closure of Highway 16 (Tete Jaune to the Alberta border). With the lack of snow, crews were busy keeping frozen culverts and glaciers thawed.

Throughout spring and summer, emphasis was placed on the following activities: gravelling, ditching, brushing and pavement repairs on major side roads. A pavement patching contract was called for various sections of Highway 16 and Highway 5 which resulted in placement of 3,090 tonnes of hot mix asphalt, 4,680 linear meters of extruded curbing and 29 catch basins. Calcium chloride was once again placed as a dust supressant over 70 km of gravel roads.

Construction: The construction program consisted of ditch reconstruction and right-of-way landscaping on Highway 16 from the district's west boundary to the West Twin Bridge, reconstruction of an additional 1.15 km of the Mountainview Road, 2.6 kilometers of the Cedarside Road and placement of 19 mm surfacing aggregate on 5.89 km of Blackman Road. In addition, 53.2 km of Highway 16 and 65.1 km of Highway 5 were cleared of brush using machine brush cutters in various locations. The Schedule 2 Fencing program continued and resulted in an additional 7.2 km of fence being installed.

Bridges

Annual maintenance was once again carried out on all concrete structures which consisted of bridge washing and deck linseed oiling. A concerted effort was made to clean bridge seats and treat with a rust inhibitor. Lamco and Snowshoe bridges were replaced with new structures using metal bin walls and log stringers.

Extraordinary

Two major slope failures occurred in the spring of 1985. The first occurred at West Twin Bridge, which was corrected by removing some 20,000 m^3 of saturated material and constructing step drainage benches. The second occurrence was at the Emporer Bridge site, which involved the removal of 25,000 m^3 of contaminated material. An equivalent amount of clean granular material was replaced along with a blasted rock toe berm.

WILLIAMS LAKE DISTRICT

Roads

Maintenance: Above average snowfall during the previous winter caused some runoff problems in the Likely and Horsefly areas with minor flooding and washouts. Some property damage occurred at Likely as a result of a small landslip. Maintenance activities during spring and summer were again routine, however the pattern is changing as more of the main road system is paved. Completion of pavement to Horsefly allows more equipment time for the remainder of the unpaved roads. In winter the initial snowplowing is faster as more truck plows can be used instead of graders on the smoother surface. In summer the use of more chemicals for dust control and soil stabilization on gravel surfaces resulted in smoother surfaces for longer periods with savings in grader time. Extremely cold weather in late November caused the ground surface and many small streams to freeze disrupting the normal drainage pattern. Subsequent mild weather gave little relief as the majority of small culverts remained frozen requiring a major culvert thawing program.

Construction: Major works were carried out on 38.2 km of road on the Chilcotin-Bella Coola Highway. Reconstruction was completed from Alexis Creek to Bull Canyon. West of Anahim Lake an 8km diversion cut off the high point of land and shortened the overall distance. At Riske Creek 8.2 km of major shoulder widening was completed prior to future repaving. On Likely Road the completion of the Big Lake to Beaver Valley section allowed for the awarding of a paving contract which in 1986 will complete paving to Likely. A continuing program on Chimney Lake Road saw start of reconstruction of the Brunson Lake to Felker Lake section. Other reconstruction projects included 0.9 km on Mountain House Road, 1.0 km on Pigeon Road and 4.0km on Spokin Lake Road.

Bridges

Two new bridges were completed by district crews. These included a major concrete stringer span at Beaver Valley on the Likely Road and a small concrete stringer span over Knife Creek on Knife Creek Road. At Keithley Creek a detour road and bailey bridge were temporarily installed while the Forest Service replaced the existing structure.

REGION 5

(N. Hope, P. Eng. Regional Director Highways, Terrace)
Prince Rupert, Terrace, Dease Lake,
Smithers and Burns Lake Districts

PRINCE RUPERT DISTRICT

Roads

Maintenance: Maintenance crews worked on ditching, erosion control, gravelling and brushing as usual.

A machine patch contract was called for the Queen Charlotte Islands resulting in the hot mix being barged from the mainland. Also on the Islands riprap erosion control continues with four areas completed and concurrently many culverts were replaced. This program will continue in the years ahead. The Tyee crossing to the Inver bridge section of Highway 16 received a 600 mm to 1 m wide strip of asphalt to widen the pavement. Four full lane width overlays were also placed. This has greatly improved the safety of the 3 km stretch which is due for reconstruction in the next few years.

Construction: The Erosion Control program on the Queen Charlotte Islands continues. Other construction on the Charlottes included a major culvert replacement program on the Aliford Bay Road, and road bed widening on the Towhill Road.

A multiplate culvert was installed at Cousins Creek replacing the existing Bailey Bridge. Extensive ditch construction was carried out over the summer in Meziadin and the Queen Charlotte Islands. Blast Rock Rip Rap was placed in three sections on Highway 16 from Tlell to Skidegate Landing.

Buildings

The Sandspit yard was moved to Piper Creek gravel pit from the MV Kwuna ferry landing site. The old site was turned over to the ferries.

Bridges

The bridge crew was involved in routine maintenance and capital projects. Four bridges were completed on the Stewart-Cassiar Highway 37. The dismantling of the old bridges proved interesting as the Taft Creek was a three span, 242 ft. Bailey. During re-deck the bridge crew used counter sunk lay screws instead of conventional nailing. This method is proving cost effective as the need for the crew to return has decreased.

Ferries

The MV Kwuna, which runs between Skidegate and Aliford Bay on the Queen Charlotte Islands, was sent south for refit in May, 1985 to receive major maintenance repairs, alterations and new navigational aids. In October, 1985 the vessel was transferred to the B.C. Ferries Corporation.

Avalanche

The Bear Pass section had a comparatively mild year with 400 avalanches recorded, 44 of which crossed the road. One incident occurred which involved three large trucks and an avalanche gate keeper on his way to Meziadin. There were no injuries or deaths.

TERRACE DISTRICT

Roads

Maintenance: A winter of near normal precipitation coupled with above average temperatures resulted in no avalanche activity along Highway 16, however, generally warm temperatures produced frequent icy road conditions which necessitated extensive and frequent sanding and salting operations by maintenance crews.

The emphasis in summer maintenance work was placed on ditch cleaning, right-of-way brushing, and pavement maintenance.

Construction: Works completed included reconstruction of the Highway 16 and Old Lakelse Lake Road intersection, application of graded aggregate seal to an 8.7 km section of Old Lakelse Lake Road, and upgrading of drainage works and right-of-way clearing on the Terrace/Kitimat section of Highway 37 prior to repaving by Headquarters contract.

Bridges

There were no new bridges constructed during the fiscal year. In addition to regular maintenance, substructure repairs were carried out on Exchamsiks Bridge and Old Skeena Bridge, and Krumm Bridge was reconstructed from piles up and decked with Ekki wood.

Buildings

A "Ferryman's" shelter was constructed in North Usk to provide a waiting area and washroom facilities for operators on shift.

Ferries

Minor alterations and upgrading of both the aerial and reaction ferry were carried out to ensure the safety and reliability of service to the North Usk Community.

DEASE LAKE DISTRICT

Roads

Maintenance: Winter activities kept crews busy into the spring and again from October to April.

Heavy rains and run-off necessitated the repairs to wash-outs and plugged culverts in the northern half of the District.

A concentrated effort was make during the short summer to correct drainage problems causing weak base conditions by extensive ditching, culvert installation and back slope stabilization. Also, importance was placed on crack sealing, brushing, road base improvement and dust control. Grading of long stretches of gravel roads was an on-going activity.

An approximate 2.5 km section of deteriorated pavement north of Good Hope Lake was replaced with graded aggregate seal and worn culverts at Eastman Creek were replaced to prevent washouts.

Construction: A 15.6 km section of road was regravelled at Bob Quinn Lake.

Reconstruction of 3.2 km of the Cassiar Access Road improved the alignment, grade and drainage from Quartz Rock Creek Bridge west.

A narrow, treacherous section of Telegraph Creek Road in the Stikine Canyon at Ten Mile was blasted out and widened.

Drains were installed in a slide along Eddontenajon Lake to alleviate the water problem in the area.

Bridges

The Tahltan River Bridge was completed in May by the construction of a wing wall on the upstream side and the placing of rip rap.

A special project was instituted to repair eight damaged Bailey bridges along Highway 37. Snowbank Creek and Alger Creek, the two most severely damaged, had to have panels and end posts replaced along with new decking.

The Stikine River Bridge had both abutments repaired due to deterioration of concrete at the end walls.

Rock Box Bridge had the deck replaced and a new structure was built across Troutline for temporary access to a gravel pit.

An interesting project was the changing of the Bailey over the Tuya River into a reinforced deck.

Also, two detour bridges were constructed for bridge branch projects at Beaverpond Creek and Thomas Creek.

SMITHERS DISTRICT

Roads

Maintenance: Maintenance crews in the Hazelton and Kitwanga areas were kept busy with rock slides and washouts during a few wet weeks in the latter part of April.

On May 4 at about 9:00 a.m. a large wedge of rock slid out on Highway 16 at the Bulkley Canyon blocking traffic for about an hour before a crew was able to clear around a 1,000 m^3 boulder and open the highway to single lane traffic. A rock bolting and scaling contract was immediately let to stabilize the section. This work continued for about six weeks.

Also at the beginning of May, a culvert separated in a deep fill 12 km east of Kitwanga on Highway 16 resultimg in the road bed becoming saturated and about 15,000 m^3 of fill material slipping into the Skeena River. The highway was moved over approximately one lane width in this area to take advantage of more stable ground conditions and to reduce costs of reconstruction. The repair work took approximately three weeks. The wet spring also weakened many sections of old pavement in the Hazelton and Kitwanga Areas. As a result Highway 16 was recapped for 8.7 km.

Crack sealing was done on Highway 37 under contract and in other areas by District Crews. In all, over 80,000 m of cracks were sealed in the District.

During the year Insta Road Patch was used successfully to fill pot holes in wet weather and its use is planned again for next year.

Rest area maintenance was again contracted and resulted in continued good service and savings to the public.

A cold spell in October and November combined with no snowfall resulted in many glaciation problems throughout the District.

Weather was generally very unsettled throughout January and February which resulted in the use of more sand and chemical than originally anticipated.

Construction: Driftwood and Kerr Roads were widened in the Smithers area, a portion of the Telkwa High Road was upgraded from km 6.25 to km 7.5, and in the Hazelton area a portion of Hastings Street was constructed to restore access to a cut-off landowner.

Kathlyn Creek or (Chicken Creek) culvert was replaced with a new 10 ft. diameter multiplate structure complete with headwalls.

A start was made on upgrading roads around Tyee lake to paving standards. Work accomplished included clearing and grubbing of rights-of-way, utility relocation and the construction of most of Fisher Road. The roads affected were Telkwa High, Fisher, Tyee and part of Woodmere.

In the Hazelton area the Kispiox Road was seal coated for 6.5 km.

In Kitwanga, minor betterment, maintenance and day labour funds were combined to call a paving contract. In total, about 9,000 tonnes of asphalt was laid on Highway 16.

Also a major slide 1 km south of Kitsequecla on Highway 16 was stabilized. Final paving to level the top of the slide is scheduled in 1986.

Bridges

Bridge washing was completed ahead of schedule in 1985. Inspections were carried out and following is a list of bridge crew activities:

A major deck oiling program was carried out with good success, Beavermeadow and Thompson Bridges were rebuilt, Salmon River Bridge was converted to triple single chord-reinforced then transferred to Forestry. In addition the bridge crew was engaged in the Chicken Creek culvert project and installed the Bailey bridge detour as well as the multiplate culvert and headwalls.

Mechanical

All machinery was kept in top condition. It was also the last year for long time mechanic foreman, Mr. O.C. Sanders, who retired after 35 years service.

BURNS LAKE DISTRICT

Roads

Maintenance: A relatively dry spring afforded the crews time to undertake hand brushing over the entire length of Highway 35. Machine brushing was done on Topley Landing Road from Granisle south for 15 km. A three km section was hand brushed by contract near Topley Landing.

The summer was fairly dry resulting in the use of lignosulfonate for dust control. A major ditching program was undertaken throughout the District. Hand patching was performed as necessary and augmented by a machine patching program on Highway 16, Highway 35 and Keefe's Landing Road.

Beaver dams kept crews busy keeping several culverts open.

Winter started out with a prolonged cold period then resumed with normal temperatures which kept crews busy.

Construction: The District kept busy with several small day labour and minor betterment projects. Works included construction of 3 km of Colleymount Road, reconstruction of 1.4 km on Tchesinkut Lake Road and 1.9 km on Mill Bay Road, and 22.9 km of graded aggregate seal on main collector side roads.

Rock work was carried out on Aiken Creek Road and Colleymount Road to improve grade and ease some corners. The intersection of Highway 35 with East Francois was improved with the installation of a left turn slot. Guardrail and fencing was installed as necessary on Highway 16 under the guardrail program and Schedule 2 fencing program.

Bridges

All bridges were washed and repaired as necessary. Two structures Carrol #2 on West Decker Road and a small structure on Babine Road near Pendleton Bay were replaced with culverts. Both replacements were planned with the co-operation of both Provincial and Federal Fisheries Departments.

The District Bridge crew was actively involved in constructing the Bulkley Bridge at Knockholt. The project was started using H-pile for the abutments, piers and caps to accept 20 m concrete box girders. The structure will open as a single lane bridge next year.

Some movement of the Houston Overhead was referred to bridge branch with monitoring by the geotechnical branch.

Ferries

The M.V. Omineca Princess went through a major refit with the M.V. Jacob Henkel serving the residents of Southbank for about three weeks as the back up vessel.

The Jacob Henkel was later converted to a barge which will be maneuvered by the Shelter Bay Tug during future major refits. Minor refits and necessary repairs to the M.V. Omineca Princess will be undertaken on the run with the tug assisting in docking when necessary.

The Ferry office was relocated to the Ferry warehouse and the old office (Panabode) was sold and removed.

Contracts were called to install a new bubble system at Northbank as well as upgrade and carry out repairs to the drydock.

Buildings

Renovations to the bridge crew area resulted in an expanded bridge shop with more dry storage. A new salt shed was constructed by District crews at Southbank.

REGION 6

(R.W. Gittins, P. Eng., Regional Director Highways, Nanaimo)
Nanaimo, Saanich, Port Alberni and
Courtenay Districts

NANAIMO DISTRICT

Roads

Maintenance: Several activities were emphasized during the summer maintenance period which included crack sealing, machine patching, seal coating and ditch construction. In machine patching some 87.80 tonnes of premix was laid. Twenty kilometres of road was sealcoated and 6150 linear meters of ditch constructed on various roads throughout the district. Also, improved dust control methods over the last several years resulted in a buildup of residual dust control material in the road surface which permitted the district to stay within the allowable dust control funding even with the unusually warm and dry summer. With the dry warm summer, swath mowing was down as the vegetation growth slowed from lack of moisture. The warm summer was followed by unusually heavy snowfalls in November. The frequent snow storms during this period kept winter maintenance crews busy. Hired graders and considerable overtime on the part of crews were required to combat the adverse conditions. Warm temperatures and heavy rains in mid-January melted much of the snowpack and caused flooding in many areas of the district.

Roads in the Cowichan Bay area as well as Crofton and Chemainus Roads were all closed due to flooding. This was followed by more snow and heavy rains at the end of February which resulted in more flooding in most of the same areas.

Construction: The reconstruction and paving of a section of South Shore Road west of Lake Cowichan neared completion at the end of the year. Renfrew Road was realigned and reconstructed up to gravel grade. A portion of Brenton Page Road was reconstructed and repaved. Wilson Road in the area south of Duncan was widened and upgraded. The MacMillan-Holden Corso Road intersection was reconstructed, upgraded and paved. Rock was removed on the Trans-Canada Highway by the Takala Road intersection to improve sight distance for drivers entering off Takala Road. The rock was used to rip rap Raines Road which was reconstructed and raised to eliminate flooding problems. South Road on Gabriola Island was reconstructed up to a gravel grade as was the North Road/South Road intersection. Mission Road on Thetis Island was reconstructed and there was also an extensive brush control program carried out on the island to move the vegetation back from the travelled portion of the roadways. Minor improvements were carried out on a number of other roads in the district.

Replacement of the flex beam guardrail at the Diamond Overhead on the Trans-Canada Highway continued under the guardrail installation program.

Bridges

The main emphasis under bridge maintenance was redecking. Several structures were decked including the following: Dodds, Pimbury, Tennis Court, Forestry, Bear, and Garmus Bridges. Weeks Bridge was eliminated and replaced by a culvert pipe. At Sutton Bridge the stream channel was cleaned out. The Robertson River Bridge on South Shore Road was damaged during the January flooding as a result of debris build up. One bearing pile was broken and it was believed that the debris build up caused a scour hole to develop undermining several other bearing piles. The pier shifted causing the deck to settle at the upstream end of the pier and it became necessary to drive additional bearing piles, then jack and shim the spans back into position.

Elford Bridge over Shawnigan Creek on West Shawnigan Lake Road was reconstructed using treated timber piling and concrete box stringers.

SAANICH DISTRICT

Maintenance: The maintenance program in the District was completed as planned with emphasis on reducing recurring maintenance costs. In this regard an 80 km sealcoating program was completed both on gravel roads and deteriorated pavement plus 16 km of asphalt paving. In addition to reducing future maintenance costs an improved travelled surface was provided for motorists. The upgrading of drainage facilities was also considered a high priority in all road foreman areas.

This past winter we experienced both record cold spells and unusually high snowfalls. Although there were minor inconveniences for motorists, district crews were able to keep the road surface in good winter condition. In February, a 20 year storm coupled with an existing snowpack caused considerable flood damage to the road system in the Sooke-Port Renfrew areas closing Highway 14 (West Coast Road) for several days.

Following incorporation of the City of Colwood, maintenance of the street system was discontinued March 31, 1986.

Subdivision and regulatory activities increased during the year which may indicate an upturn in the economy.

Construction: The district's major construction project this year was the completion of Treanor Avenue, Selwyn Road, and the upgrading of Millstream Road and Trans-Canada Highway intersection. This project provides a much safer route to the Phelps subdivision area. Other projects included upgrading of intersections, realignment of roads, construction of left turn slots, and the recapping of deteriorated pavements.

Bridges

The bridge maintenance program included redecking, timber member repair, and the upgrading of railing, painting, etc. Considerable damage to a number of bridge structures on Highway 14 (West Coast Road), resulted from an extreme runoff following heavy rains in February.

A new 60 foot concrete box beam bridge founded on steel H-piles was constructed across Millstream Creek linking Treanor Avenue and Millstream Road.

PORT ALBERNI DISTRICT

Roads

Maintenance: During the year emphasis continued on major machine brushing (especially on Lasqueti Island and the Alberni-Parksville Highway around Cameron Lake). Major ditch cleaning and pavement repairs were carried out as well as other normal maintenance activities. Lignosulfonate and calcium chloride were applied to gravel side roads for dust suppression. Subdivision activity in the District remained light compared to the years 1980 to 1982.

Snowfall was significantly down from the previous year, recording only 288.5 cm on the Pacific Rim Highway in the Sutton Pass Area.

Some flooding and flood damage occurred during heavy rainstorms in January and March.

The year was concluded with some major machine patching on the Alberni-Parksville and Island Highway.

Construction: Shawn Road was constructed in the Coombs area to give satisfactory access to subdivisions beyond. There were 3.0 km of new pavement laid, 4.1 km of roads reconstructed and 4.4 km of gravel and deteriorated paved side roads sealcoated to alleviate future maintenance costs and improve the travelled surface for motorists.

A rockbluff along the Tofino Arterial Highway was removed to make travel safer.

Several danger trees ranging from 75 to 180 cm in diameter were removed from the Alberni-Parksville Highway in the MacMillan Park area.

Trees and brush were also removed from the right-of-way along the walking trails in West Bamfield to initiate conversion from trails into roads suited for motorized travel in the future.

Bridges

Major action was along the Pacific Rim Highway.

The Taylor River Bridge received a new deck and some stringers were replaced.

Kerr Creek and TR17 logstringer bridges were replaced with concrete stringers and decks.

Several bridges along the Alberni-Parksville Highway had their approaches repaved.

COURTENAY DISTRICT

Roads

Maintenance: During the year emphasis was placed on planning of major maintenance programs related to pavement evaluation brushing, ditching and chip seal/inverted prime surface sealing as well as regular maintenance in all areas as required.

A special program to review and change as necessary all speed zones in the Courtenay Foreman Area was undertaken with proper signing being established thereafter. Winter brought only average snowfalls with concentration in November and late January. There was no major flooding or winter damage although road weight restrictions were required to protect some of our roads and highways. The year concluded with a small paving program taking place in March in the Courtenay, Campbell River and Port Hardy Foreman areas.

Construction: The District undertook a multitude of small projects in all areas with emphasis placed on pavement recapping and surface sealing. The largest of these was the paving of the Port McNeill Arterial three-lane section and related upgrading. There was also emphasis placed on the north end of the Island and in particular the Coal Harbour and Holberg Roads.

Bridges

Cleaning, deck and rail repairs were carried out throughout the District as well as major repairs to some bridges. In addition, District crews undertook preparatory work at Lupin Creek for installation of a multiplate to replace the old log stringer bridge. Other structural repairs were made along the Western Mines Road to areas where old log cribbing held up the road edge.

TRANSPORTATION POLICY

REPORT OF THE DIRECTOR OF TRANSPORT POLICY ANALYSIS

G.A. Clark

The Transport Policy Analysis Branch is responsible for developing policy positions and co-ordinating transportation policy for the Province. In addition, the Branch provides financial assistance for community airports and for certain services operated by the British Columbia Railway. During 1985/86 Branch activity concentrated on motor carrier policy, airport development and air services throughout the Province, and proposals for a new national transportation policy.

The Branch responded to a White Paper entitled "Freedom to Move" in which the federal government outlined substantial changes in national transportation policy. The new policy direction would result in reduced regulation and greater competition between carriers, generally to the benefit of shippers and travellers in British Columbia. After reviewing the proposals with shippers and carriers, the Province supported the White Paper proposals and encouraged the federal government to proceed with legislation.

Together with the affected carriers, the Branch continued its effort with the Interstate Commerce Commission and U.S. Courts to force the Burlington-Northern Railway to re-open routes which had been closed to B.C. shippers. This process led to negotiation of a satisfactory agreement.

A study of CN and CP operations in the Fraser Canyon was completed, concluding that Joint Track Usage could not be justified with traffic volumes expected over the next 15 to 20 years. Under Joint Track Usage, the two railways would make use of each other's tracks rather than double-tracking both sets of lines through the Fraser Canyon. The study was sponsored by Transport Canada, the Canadian Transport Commission, CN, CP, Alberta, Saskatchewan and British Columbia. The Branch also monitored the environmental review of CN's double-tracking program in the Thompson and Fraser canyons.

Financial assistance was provided to the British Columbia Railway to offset losses on uneconomic services which are maintained in the public interest. A grant of $2.1 million was provided for losses on the passenger service from North Vancouver to Prince George, together with $3.3 million for the Fort Nelson Extension.

Action was taken in mid-1985 to reduce regulatory controls on the BCR. This permitted the Railway to negotiate confidential contracts with shippers and eliminated the need to file tariffs with the Minister. These changes allowed the Railway to compete more effectively with the Burlington-Northern Railway, and are consistent with conditions already in effect in the U.S. and proposed for the national railways in Canada.

On other railway matters, the Branch made representations to the federal government for changes in interswitching regulations and re-instatement of funding programs for grade separations. The Branch also appeared before hearings of the Canadian Transport Commission dealing with transportation of dangerous goods through the Lower Mainland and the Victoria area.

In the aviation area, the Branch completed a review of air navigation priorities in the Province and continued to press Transport Canada for improvements. The Branch contributed to a trial and demonstration of a micro-wave landing system at Nanaimo's Cassidy airport and, through the Air Transport Assistance Program, provided a grant for installation of a system at the Pemberton Airport. Both systems will be operational in 1986/87.

An "air facilities map" was developed for distribution to pilots as a means of promoting safe flying and encouraging out-of-Province flyers to visit British Columbia.

The Branch administers the Air Transport Assistance Program which is a grant-in-aid program in support of community airport development. Grants totalling $2,495,000 were awarded in 1985/86 for improvements to 12 airports. At year-end there were 49 applications on hand for a total of $26,000,000 in assistance.

AIR TRANSPORT ASSISTANCE PROGRAM
1985/86 Grants

Location	Amount	Project Description
Bella Bella	$315,000	Modify runway profile for future extension. Supply and place crushed aggregate base.
Cache Creek	208,900	Pave 1000 m runway, apron and access road.
Chetwynd	25,000	Install perimeter fence.
Chilliwack	354,000	Extend and pave taxiway and apron in conjunction with federally funded runway extension project.
Elk Valley	60,000	Supply and erect a high tensile steel ungulate proof fence around airport.
Lillooet	9,300	Purchase and set-up modular building.
Nelson	50,000	Purchase material required for construction of teminal building.
Pemberton	750,000	Design and installation of the Microwave Landing System purchased with federal funds. Complete paving of runway to 1200m in conjunction with federally funded paving project.
Toad River	14,000	Clear trees and remove obstructions on approaches to the airstrip.
Tumbler Ridge	350,000	Remove overburden and construct 900 m gravel runway, apron and access road to new airstrip near Flatbed Creek.
Vanderhoof	319,200	Extend paved runway to 1500 m and widen to 30 m.
B.C.A.C.	40,000	Operating subsidy to the Owners and Operators Division of the British Columbia Aviation Council.
TOTAL	$2,495,400	

On marine transportation issues, the Branch supported the Western Regional Advisory Council with analysis of pilotage fees, amendments to the Canada Shipping Act, and changes to harbour fees. The Advisory Council is a committee of port operators, shippers, the western provinces, and carriers, established in 1984 to advise the federal government on development of west coast ports.

The Branch participated in a review of motor carrier legislation and regulations, considering possible changes in administrative procedures and methods of issuing motor carrier licenses. A truck costing model was developed for use in feasibility studies.

REPORT OF THE DIRECTOR OF ENGINEERING INSPECTION

F. H. Christensen, P. Eng

This Branch is the regulatory authority administering the Railway Act and the Pipeline Act. Responsibilities include processing construction applications, inspecting pipelines, railways, aerial tramways and certifying operating personnel for railways and aerial tramways.

The Branch is represented on several Canadian Standards Association Committees and Sub-Committees including four Pipeline Committees and the Passenger Ropeways Committee, plus the Environment/Resource/Land Use Working Committee of the Energy Project Co-ordinating Committee and the Crossing and Signals Technical Working Committee.

Projects, new procedures or events of an exceptional nature in 1985/86

a) Advised the Expo Project Approval and Control Organization with respect to the design, construction, testing and operation of the monorail, HSST (High Speed Surface Transport System), gondolas and a people mover (France Exhibit) at the Expo Site.

b) Assisted the Snow Avalanche Section of the Ministry in the development of specifications for two avalanche tramways to be constructed as part of the Coquihalla Highway Project.

c) Continued upgrading of the computerized Aerial Tramway Information System.

d) Started computerization of the Railway Accident Notification & Reporting System, including program development & initiation.

e) Undertook a review of the use of mono-skis, swingbo devices and snowboards on passenger ropeways and issued a bulletin to the industry in this regard.

f) Certified the Greater Vancouver A.L.R.T. (Skytrain) for service. The System safety review, certification of control operators, Rapid Transit attendants and certification of rules were completed.

AERIAL TRAMWAY INDUSTRY

Scope of Operation - 96 Areas

Installations	Existing	New	Modified	Removed From Service	Operating Total
Triple Chairlifts	25	1			26
Double Chairlifts	46	1			47
T-Bar	62	1		1	62
Platter Lifts	5	2			7
Handle Tows	39	2		1	40
Sled Tours		1			1
Rope Tows	36			1	35
Reversible Tramways (Double)	3				3
Reversible Tramways (5 Industrial and 5 River Crossings)	10				10
People Mover		1			1
Gondolas	4				4
TOTAL	230	9		3	236

Note: 49 installations were out of service in 1985/86.

Inspections	
Annual Inspections	187
Acceptance Tests for New Installations	8
Modification Inspections	-
Operational Inspections (approximately)	227
Summer Inspections (off season)	22
Construction progress inspections	45

Reported Aerial Tramway Accidents	
1) Incidents Involving Passengers (Includes passengers being struck by carriers, collisions with other passengers, natural hazards or falling from equipment at loading, unloading or on the line)	32
2) Incidents Involving Failed Components (Includes failures of safety equipment, drive equipment, spring boxes and power source failure)	115
3) Incidents Involving Displaced Components (Includes chairlift & T-Bar deropements)	27
4) Others of Minor Consequence	48
TOTAL	222
5) Evacuations of Above Surface Lifts	
Standby Drive	13
Rescue Teams	5
TOTAL	18
6) Injury to Passengers	
Serious - Doctor	13
Minor	24
TOTAL	37

ACCIDENTS REPORTED HAVING A POTENTIALLY SERIOUS CONSEQUENCE

- chair rope clip dislodged from haul rope when chair struck tower chair guide (chair was empty at the time)
- passengers falling from chairlifts
  - one held by other passengers & then let go - 1
  - passenger suspended by coat - 1
  - passengers falling from chairs on line - 9
- severe chairlift haul rope misalignment resulted in evacuation and in one case a deropement - 1
- personal injuries at chairlift loading and unloading areas - 10
- employees left stranded on a chairlift at night - 1
- chairlift rollback - 1
- swinging chair, downloaded with equipment, struck tower, grip failed and chair fell from the lift - 1
- T-Bar deropements - 6
- passengers struck by T's - 11
- haul rope wire fatigue on a poma lift reached a point where the rope will be replaced - 1
- failure of a gondola grip to open properly - 1
- T-Bar grips slipped and in one case it resulted in a deropement - 2
- T's catching on fences - 2
- chair struck drive machinery, grip failed, operator did not remove grip portion & ran grip (without chair) down line resulting in a deropement - 1
- swinging chair struck tower resulting in one passenger falling to the ground - 1

RAILWAY INDUSTRY

Railways under the jurisdiction of the Ministry of Transportation and Highways:

- British Columbia Rail
- British Columbia Hydro and Power Authority Railway
- B.C. Transit (A.L.R.T.)
- Byron Creek Collieries Ltd. Railway
- B.C. Coal Ltd. Railway
- Crowsnest Resources Ltd. Railway
- Vancouver Wharves Railway
- Northwood Pulp and Timber Ltd. Railway
- Canadian Forest Products Railway
- Crown Zellerbach Logging Railway
- Quintette Coal Ltd. Railway
- and some 51 other Industrial Railways, plus six Recreational Railways.

SCOPE OF OPERATIONS

Railway Trackage -	
B.C. Rail	2224 km
Yard and Sidings	422 km
B.C. Hydro Railway Mainline	113 km
Yard and Spur	96.5 km
Industrial Railways	410 km
TOTAL	3,266 km
Major Rail Yards	17 yards
Motive Power -	
Locomotives	217 units
Other	68 units
TOTAL	285 units
Bulk Storage Facilities	60
Road Crossings -	
Public	470
Industrial	75
Farm	243
Access	289
Signalized	98
Applications and Certifications Processed -	
Track	24
Bridges, Tunnels and Other	28
Road Crossings	56
Automatic Signalizations	16
Bulk Storage Facilities	6
Crossings - Pipe, Wire	41
New Railways	0
Special Approvals - Interchange Agreements, Rules, Tariffs	5
Operating Personnel	64

Accidents Reported and Investigated -	MAJOR	MINOR
Common Carriers	79	430
Industrial Railways	1	23
B.C. Transit	3	0

Note:-The marked increase over the last year in the number of reported railway accidents is due to the new criteria set out in the proposed Accident Notification and Reporting Regulation now in use by the provincially regulated railways. This now clearly indicates to the railways the manner and form required when reporting and places definite limits on the necessity for those reports.

PIPELINE INDUSTRY

Present Scope	
Major transmission pipelines	2144 km
Gathering and flow and other transmission lines	8104 km
Compressor and pumping stations	239
Liquid natural gas plants	1
Applications Processed	
Pipeline	134
Compressor and Pump Stations	11 (3450 kw)
Crossings	355
Regulator Stations	45
TOTAL	545
Gas	153.8 km
Oil & multiphase	61.0 km
Water	18.8 km
TOTAL	233.6 km
Inspections -	
Pipeline field inspections	475
Pump and Compressor Station inspections	46
Pipeline failures reported and investigated (see list)	25
TOTAL	546

PIPELINE FAILURES IN BRITISH COLUMBIA FOR PIPELINES UNDER THE PIPELINE ACT

Date	Company	Location	Commodity	Volume Spilled m^3	Reason
85-04-02	Texaco	Boundary Lake	Water	—	Internal Corrosion
85-05-08	Esso Resources Ltd	Boundary Lake	Gas	—	External Corrosion
85-06-09	Dome Petroleum	Nig	Gas	--	Fire
85-06-26	Esso Resources	Boundary Lake	Water	—	Internal Corrosion
85-07-22	Esso Resources	Burnaby	Gas, Diesel	Trace	External Corrosion
85-07-23	Suncor	Blueberry	Oil	190	Human Error
85-08-16	Inland Natural Gas	Clinton	Gas	—	Hit by Backhoe
85-08-27	Petro Canada	Clarke Lake	Salt Water	Trace	Internal Corrosion
85-09-15	Petro-Canada	Beg	Gas	--	External Corrosion
85-10-24	Petro-Canada	Beg	Gas	--	Weld Failure
85-11-05	Esso Resources	Boundary Lake	Water	600	Internal Corrosion
85-11-17	Esso Resources	Boundary Lake	Water	300	Internal Corrosion
85-11-18	Esso Resource	Boundary Lake	Water	250	Internal Corrosion
85-12-10	Petro-Canada	S.E.Ft.St.John	Gas	--	External Corrosion
85-12-13	Canadian Hunter	Town	Gas	--	External Corrosion
85-12-22	Petro-Canada	Weasel	Oil	1	Construction Damage
86-01-06	Unocal	Milligan Creek	5% Oil,Water	700	Weld Failure
86-01-11	Pac. Northern Gas	Prince Rupert	Gas	--	Hit by Backhoe
86-01-11	Petro-Canada	Stoddart Creek	Gas	—	Overpressure
86-01-27	Unocal	Milligan Creek	Oil,Water	8	Internal Corrosion
86-02-20	Esso Resources	Boundary Lake	Water	1	Internal Corrosion
86-02-23	Petro Canada	Weasel	5% Oil,Water	10	Internal Corrosion
86-02-24	Suncor	Stoddart Creek	Oil	.5	Hit By Backhoe
86-03-25	Suncor	Blueberry	Oil	60	Sampler Failure
86-03-25	Inland Natural Gas	Peachland	Gas	—	Hit by Road Grader

SUMMARY OF FAILURES

Gas Pipeline Failures	10
Oil Pipeline Failures	8
Water Pipeline Failures	7
TOTAL	25
Failures by 3rd Party Damage	4
Failures by Previous Damage to Pipe	2
Failures by Human Error	1
Failures by Internal Corrosion	9
Failures by External Corrosion	5
Failures by Component Failure	2
Failures by Environment Change	-
Failures by Overpressure	1
Failures by Fire, Miscellaneous	1
TOTAL	25

Volume of Oil Spilled - 291 m^3

MOTOR CARRIER BRANCH

The activities of this Branch are recorded in the Annual Report of the Motor Carrier Commission published under separate cover.

MOTOR VEHICLE

VEHICLE LICENCE DIVISION

This Division is responsible for the licencing and registering of motor vehicles, the issuing of permits, reciprocity agreements, the collecting of revenue under the Motor Vehicle Act, Commercial Transport Act, Social Services Tax Act, Insurance (Motor Vehicle) Act, the Motive Fuel Use Tax Act, and the coordinating of licence and insurance programs as they affect the Motor Vehicle Department.

The personalized number-plate program continued to receive wide public acceptance during 1985. At December 31, 1985 a total of 21,894 applications had been processed.

The Vehicle Licence Division controls directly the issuing activity of 116 outlets throughout the Province, and indirectly the licencing function conducted through the Insurance Corporation's agency force that consists of approximately 600 offices. The 116 Government related outlets are comprised of 33 motor licence offices, six Government agents and 77 Motor Vehicle Department appointed agents. The 33 motor licence offices are staffed with employees of the Motor Vehicle Department (Ministry of Transportation and Highways) while the government agencies are staffed by employees of the Ministry of Finance, but report to this Division for all motor vehicle issuance.

Motor Vehicle Department appointed agents consist of credit unions, municipalities and private businesses or individuals. Usually such appointments are made in remote areas of the Province or where the population does not warrant a motor licence office or government agency.

VEHICLE LICENCES

The total number of vehicles licenced to December 1985 was 1,886,331, an increase of 16,689.

Passenger vehicles licenced totalled 1,219,940, an increase of 21,437 or 1.78% more than the 1984 total.

Commercial vehicles licenced totalled 442,456, an increase of 104 or .02% more than the 1984 total.

Motorcycles licenced were 28,619, a decrease of 5,234 or 15.46% less than the 1984 total.

Trailers licenced in 1985 totalled 195,316 of which 34,537 were commercial trailers and 160,779 were utility trailers.

REGISTERED VEHICLES AT DECEMBER 31, 1985

	1984	1985	Increase (Decrease)	%
Passenger Vehicles	1,791,980	1,937,449	145,469	8.11
Motor Homes	47,015	49,841	2,826	6.01
TOTAL PASSENGERS	1,838,995	1,987,290	148,295	8.06
Commercial Vehicles:				
Regular Commercial	648,967	695,943	46,976	7.23
(A) Farm Trucks	28,300	26,383	(1,917)	(6.77)
(F) Farm Tractors	832	495	(337)	(40.50)
(P) Prorate	3,464	4,123	659	19.02
(T) Logging	2,901	3,112	211	7.27
(X) Industrial	9,736	7,878	(1,858)	(19.08)
TOTAL COMMERCIAL	694,200	737,934	43,734	6.29
Commercial Trailers	53,297	56,868	3,571	6.70
Utility Trailers	308,881	327,445	18,564	6.01
Motorcycles	120,285	128,610	8,325	6.92
TOTAL VEHICLES REGISTERED	3,015,658	3,238,147	222,489	7.37

LICENCED VEHICLES AT DECEMBER 31, 1985

	1984	1985	Increase (Decrease)	%
Passenger Vehicles	1,198,503	1,219,940	21,437	1.78
Commercial Vehicles:				
Regular Commercial	410,859	410,397	(462)	(0.11)
(A) Farm Trucks	21,111	21,000	(111)	(0.52)
(F) Farm Tractors	243	218	(25)	(10.28)
(P) Prorate	2,792	3,247	455	16.29
(T) Logging	2,494	2,754	260	10.42
(X) Industrial	4,853	4,840	(13)	(0.26)
TOTAL COMMERCIAL	442,352	442,456	(104)	(0.02)
Commercial Trailers	33,726	34,537	811	2.40
Utility Trailers	161,208	160,779	(429)	(0.26)
Motorcycles	33,853	28,619	(5,234)	(15.46)
TOTAL VEHICLES LICENCED	1,869,642	1,886,331	16,689	0.89

The difference between total licenced vehicles and total registered vehicles is due to the licence with owner concept, e.g., vehicles on dealers' sales lots are not required to be licenced. Some vehicles have been destroyed or removed from the Province but remain registered for six years or until notice is received.

LICENCED VEHICLES DURING 1985

	1984	1985	Increase (Decrease)	%
Passenger Vehicles	1,469,521	1,511,824	42,303	2.87
Commercial Vehicles:				
Regular Commercial	522,860	527,085	4,225	0.80
(A) Farm Trucks	24,016	24,140	124	0.51
(F) Farm Tractors	353	301	(52)	(14.73)
(P) Prorate	2,956	3,436	480	16.23
(T) Logging	2,777	2,927	150	5.40
(X) Industrial	6,191	6,066	(125)	(2.01)
TOTAL COMMERCIAL	559,153	563,955	4,802	(0.85)
Commercial Trailers	39,907	40,739	832	2.08
Utility Trailers	216,581	217,331	750	0.34
Motorcycles	81,690	79,876	(1,814)	(2.22)
TOTAL VEHICLES	2,366,852	2,413,725	46,873	1.98

DISTRIBUTION OF MOTOR VEHICLES

The following table provides information concerning the number of licences issued and their locality. This table cannot be regarded as an accurate population count of vehicles in the various parts of the Province as the owners move frequently from one area to another and vehicles are often sold to new owners residing in different localities than the previous owners. The table does, however, provide an indication of how vehicles are distributed throughout the Province.

MOTOR VEHICLE POPULATION STATISTICS FOR LICENCED VEHICLES

Name	District Code	Passenger Vehicles	Commercial Vehicles	Utility Trailers	Commercial Trailers	Motorcycles
Abbotsford	190	30,979	10,248	4,161	595	1,766
Agassiz	036	2,466	1,265	463	53	167
Alaska Highway	510	3,890	4,109	1,400	177	351
Aldergrove	191	10,962	5,138	2,037	364	669
Alvin	514	1	1	0	0	0
Armstrong	085	3,297	2,290	858	140	206
Ashcroft	042	1,994	1,381	543	48	204
Barriere	159	1,238	1,336	410	86	99
Bella Coola	083	693	915	165	42	31
Blue River	161	170	175	49	15	18
Boston Bar	044	445	346	70	22	41
Bralorne	046	97	144	20	4	9
Burnaby	103	86,423	22,340	6,344	4,734	3,754
Burns Lake	048	2,275	2,433	906	237	128
Campbell River	010	12,038	6,674	3,467	219	800
Cassiar Mines	182	446	453	170	5	64
Castlegar	123	6,151	3,005	1,350	91	316
Chase	050	3,704	2,612	1,199	122	200
Chemainus	017	2,240	1,253	557	44	118
Chilliwack	038	24,776	9,711	4,425	606	1,744
Clinton	052	861	894	261	52	47
Cloverdale	028	41,087	13,109	5,827	1,173	1,959
Courtenay	012	17,803	8,663	4,998	195	1,553
Cowichan	018	2,191	1,369	648	47	129
Cranbrook	125	10,708	6,925	2,758	387	666
Creston	127	5,290	3,775	1,450	228	425
Dawson Creek	167	8,951	8,329	2,323	696	514
Duncan	019	17,856	8,348	3,775	560	988
Elkford	516	2,934	2,194	984	37	274
Enderby	087	2,657	1,946	642	216	143
Fernie	131	6,140	4,409	1,613	267	421
Fort Nelson	181	1,688	2,030	473	227	146
Fort St. James	185	1,364	1,479	507	144	101
Fort St. John	169	8,524	9,717	2,834	995	616
Ganges	023	3,427	1,633	583	35	292
Golden	133	2,989	2,564	792	160	215
Gold River	016	733	447	316	10	82
Grand Forks	089	3,573	2,273	847	153	266
Greenwood	091	1,372	1,299	330	88	95
Gulf Islands	513	1,855	1,188	411	19	156
Haney	032	24,035	8,128	3,876	309	1,316
Hazelton	054	1,505	1,626	361	118	98
Hope	040	3,228	1,960	525	113	216
Houston	056	1,899	2,070	739	196	178
Hudsons Hope	186	2,409	2,507	785	239	162
Invermere	135	3,175	2,731	788	196	211
Kamloops	157	33,494	17,739	7,264	1,035	2,459
Kaslo	137	755	594	250	32	83
Kelowna	093	50,979	21,542	9,886	1,152	2,915
Keremeos	095	1,731	1,302	398	46	90
Kimberley	139	4,257	2,705	1,285	66	321
Kitimat	058	4,669	2,330	1,143	109	298

MOTOR VEHICLE POPULATION STATISTICS FOR LICENCED VEHICLES (continued)

Name	District Code	Passenger Vehicles	Commercial Vehicles	Utility Trailers	Commercial Trailers	Motorcycles
Ladysmith	021	4,507	2,238	1,078	125	286
Lillooet	059	1,507	1,296	334	75	146
Lytton	061	509	507	99	29	64
McBride	171	695	779	212	54	76
Merritt	063	3,802	3,070	1,221	180	262
Mission	034	12,370	5,084	2,004	182	762
Nakusp	141	1,164	1,119	432	65	100
Nanaimo	006	31,336	12,395	6,294	401	1,919
Natal	143	0	0	0	0	0
Nelson	150	8,210	3,896	1,677	137	535
New Denver	145	597	417	151	14	42
New Westminster	003	82,964	20,423	8,790	2,722	4,124
North Vancouver Island	515	9,025	6,752	2,427	149	712
North & West Vancouver	004	106,249	16,004	5,453	824	4,139
Ocean Falls	183	26	26	4	0	0
Oliver	099	3,628	2,110	794	93	162
100 Mile House	065	4,923	4,372	1,669	258	322
Osoyoos	100	2,657	1,459	552	59	142
Parksville	014	5,606	2,389	1,418	75	324
Penticton	112	20,994	8,730	3,897	423	1,359
Point Roberts, U.S.A.	512	2,624	1,535	271	47	220
Port Alberni	008	11,739	6,172	3,585	171	799
Powell River	175	7,660	4,244	2,451	157	677
Prince George	067	35,523	23,708	9,103	1,809	2,112
Prince Rupert	069	6,048	2,909	1,094	117	291
Princeton	114	2,149	1,757	643	82	155
Qualicum	015	4,093	1,793	1,048	41	177
Queen Charlotte	520	1,624	1,671	445	41	140
Quesnel	071	9,122	7,659	2,627	572	633
Revelstoke	116	4,008	2,931	1,138	183	328
Richmond	102	105,553	20,825	9,411	1,016	4,383
Riondel	147	175	103	54	0	5
Salmo	148	1,122	754	263	33	95
Salmon Arm	118	9,579	6,098	2,640	499	588
Sechelt	173	8,097	4,114	1,629	96	629
Sidney	025	12,401	3,354	1,912	159	649
Slocan	155	906	698	202	19	69
Smithers	073	4,189	3,611	1,190	234	338
Sooke	026	4,003	1,948	768	52	240
Squamish	177	4,675	2,391	734	130	411
Surrey	029	91,293	27,576	11,263	1,415	4,487
Terrace	075	7,144	5,361	1,820	279	537
Tofino	180	454	296	124	7	38
Trail	152	11,635	4,802	2,637	209	855
Ucluelet	179	806	582	297	31	78
Vancouver	002	228,279	43,286	8,706	5,279	8,361
Vanderhoof	077	3,832	3,822	1,302	288	227
Valemount	163	752	856	259	65	79
Vavenby	165	1,786	1,598	636	113	135
Vernon	121	23,526	12,410	5,162	712	1,510
Victoria	001	122,901	35,838	14,322	1,925	6,414
Wells	079	122	142	38	4	13
Williams Lake	081	9,261	8,708	2,628	638	560
Out/Province	529	5,550	3,683	157	1,547	560
Miscellaneous	999	0	0	0	0	0
Total Licenced Vehicles		1,511,824	563,955	217,331	40,739	79,876

COMPARATIVE STATEMENT OF LICENCES, PERMITS, ETC. ISSUED DURING LICENCE YEARS 1976-1985

Licenses Issued	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Motor Vehicles										
Passenger	911,622	989,119	1,060,345	1,125,654	1,181,147	1,145,369	1,159,554	1,189,538	1,198,503	1,219,940
Commercial	308,520	353,668	392,336	427,352	449,210	427,179	436,370	448,396	442,352	442,456
TOTAL	1,220,142	1,342,787	1,452,681	1,553,006	1,630,357	1,572,548	1,595,924	1,637,894	1,640,895	1,662,396
Motorcycles	21,148	26,521	31,436	36,860	42,218	44,449	34,185	36,719	33,853	28,619
Trailers	170,090	196,954	198,593	210,619	207,807	192,832	191,587	195,511	194,934	195,316
Extra-Provincial Prorated Trucks	9,243	10,081	10,763	12,725	20,236	-	-	-	-	-
Extra-Provincial Prorated Trailers	16,703	17,148	18,021	20,236	36,329	-	-	-	-	-
C.A.V.R. Cat. A	-	-	-	-	-	4,688	5,457	5,987	12,616	18,664
C.A.V.R. Cat. B	-	-	-	-	-	4,395	5,270	5,287	15,028	21,899
Uniform Prorate Agreement Trucks	-	-	-	-	-	7,853	11,364			
Uniform Prorate Agreement Trailers	-	-	-	-	-	7,216	18,366			
TOTAL OF ALL LICENSED VEHICLES	1,437,326	1,583,491	1,711,494	1,833,446	1,936,947	1,833,981	2,372,217			1,926,894
Transfer of Ownership										
Passenger Vehicles	407,056	419,765	523,636	486,234	561,596	421,428	430,259	472,255	479,894	521,552
Commercial Vehicles	122,046	131,157	169,828	170,001	172,253	138,997	144,545	162,752	163,493	168,701
Motorcycles	15,171	20,420	26,270	28,642	31,089	22,017	24,175	26,670	26,684	24,864
Trailers	37,072	39,078	43,626	47,088	48,509	34,693	32,342	37,028	35,692	28,473
TOTAL	581,345	610,420	763,360	731,965	813,447	617,135	631,321	698,705	705,763	743,590
Motor Dealers										
Original Licences	-	-	-	-	-	-	-	-	-	-
Additional Licences	-	-	-	-	-	-	-	-	-	-
Original Motorcycle Dealer Licences	-	-	-	-	-	-	-	-	-	-
Additional Motorcycle Dealer Licences	-	-	-	-	-	-	-	-	-	-

COMPARATIVE STATEMENT OF LICENCES, PERMITS, ETC. ISSUED DURING LICENCE YEARS 1976-1985 (continued)

Licenses Issued	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Demonstration										
Original Licences	1,883	2,132	1,898	1,417	10	-	-	-	-	-
Additional Licences	2,194	3,356	4,386	5,203	59	-	-	-	-	-
New Licences	-	-	-	-	1,525	1,221	1,117	1,523	1,501	1,644
Renewal Licences	-	-	-	-	9,465	6,846	5,306	5,151	5,645	5,804
Original Motorcycle Licences	168	123	119	102	-	-	-	-	-	-
Additional Motorcycle Licences	49	52	75	88	-	-	-	-	-	-
New Motorcycle Licences	-	-	-	-	75	60	68	61	74	
Renewal Motorcycle Licences	-	-	-	-	194	144	137	137	127	
Transporter										
Original Licences	257	305	128	85	74	24	15	31	94	100
Additional Licences	308	206	473	388	122	135	100	113	44	-
Initial Renewals	-	-	-	-	73	* 69	49	38	229	269
Additional Renewals	-	-	-	-	444	* 289	282	213	44	-
Manufacturer										
Original Licences	20	22	20	19	9	8	14	6	15	11
Additional Licences	8	14	25	29	7	19	1	4	1	
Initial Renewals	-	-	-	-	16	27	20	39	39	51
Additional Renewals	-	-	-	-	22	29	18	13	10	
Trailer Floater										
Original Licences	141	370	173	230	4	-	-	-	-	
Additional Licences	421	212	579	707	9	-	-	-	-	
New Licences	-	-	-	-	632	562	635	487	780	583
Renewal Licences	-	-	-	-	974	1,162	701	972	1,240	285
Repairman										
Original Licences	500	586	724	973	414	457	394	462	471	652
Additional Licences	190	281	367	460	143	126	97	88	41	
Initial Renewals	-	-	-	-	1,197	1,040	980	971	1,146	1,404
Additional Renewals	-	-	-	-	487	453	342	325	158	

COMPARATIVE STATEMENT OF LICENCES, PERMITS, ETC. ISSUED DURING LICENCE YEARS 1976-1985 (continued)

Licenses Issued	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Permits										
NonResident Motor Vehicle Permits	69	88	82	89	69	72	68	32	75	70
NonResident Special Motor Vehicle Permits	-	-	-	-	-	-	-	-	-	-
NonResident Commercial Motor Vehicle Permits										
Single Trip	28,542	27,903	36,832	47,750	44,395	54,110	36,702	31,802	29,922	34,546
Quarterly	1,067	3,732	3,086	3,575	4,023	7,072	6,804	7,241	9,288	10,607
TOTAL	30,149	31,635	39,918	51,325	48,418	61,182	43,506	39,043	39,210	45,153
Temporary Operation Permits										
Passenger	59,389	57,476	57,107	63,270	52,449	63,423	68,545	61,245	61,849	63,324
Commercial	57,070	55,091	59,669	64,514	54,762	59,724	51,073	55,173	55,952	54,198
TOTAL	116,459	112,567	116,776	127,784	107,211	123,147	119,618	116,418	117,801	117,522
Temporary Testing and Demonstration Permits										
Passenger	46,851	55,419	42,336	44,263	30,825	40,375	38,597	38,913	58,893	52,541
Commercial	8,174	11,256	9,700	11,361	9,412	12,808	15,291	16,283	23,634	21,619
TOTAL	55,025	66,675	52,036	55,624	40,237	53,183	53,888	55,196	82,527	74,160
Interim Licence/ Insurance Certificates	19,379	26,249	32,095	30,584	20,195	18,710	8,998	8,684	9,070	9,570
All Terrain Vehicles										
Registration	2,774	3,048	2,959	2,160	2,232	1,703	1,332	950	803	789
Substitution	115	102	93	87	36	68	62	48	30	3
Transfer of Ownership	2,003	1,765	1,625	1,501	828	929	868	721	558	432
TOTAL	4,892	4,915	4,677	3,748	3,096	2,700	2,262	1,719	1,391	1,224
Air Brake Manuals	14,899	15,138	16,449	18,369	16,791	20,409	14,976	12,506	14,540	14,181

SUMMARY O REVENUE COLLECTED UNDER THE MOTOR VEHICLE ACT, COMMERCIAL TRANSPORT ACT, ALL TERRAIN VEHICLE ACT

REVENUE SOURCE

	1984 $	1985 $
Revenue collected and reported directly to the Motor Vehicle Department	21,454,312.70	22,401,202.85
Licence Revenue accounted through the Vehicle Licence and Insurance Program by the Insurance Corporation on behalf of the Motor Vehicle Department	102,837,359.00	115,033,703.00
	124,291,671.70	137,434,905.85

Social Service Tax is collected on the sale of vehicles. During 1985 the amount of $27,717,795.00 was collected through the Insurance Corporation of British Columbia and accounted directly to the Ministry of Finance.

MOTOR VEHICLE ACT - REVENUE SOURCE

VEHICLE	1984 $	1985 $
Licence Fees:		
Passenger	41,891,581.00	46,882,122.00
Motorcycles	684,881.00	761,634.00
Utility Trailer	2,147,533.00	2,260,407.00
Demonstration - Vehicles	507,911.00	576,063.00
Demonstration - Motorcycles	13,065.00	
Transporter	27,769.00	28,993.00
Manufacturer	4,753.00	5,019.00
Repairman	124,546.00	154,623.00
Vintage	9,963.00	10,046.50
Dealers Interim	45,340.00	50,130.00
Personalized	147,587.00	249,069.00
Sub Total	45,604,929.00	50,978,096.50
General Fees:		
New Plate Fee	1,531,827.00	1,679,594.00
Notice of Transfer of Ownership	3,443,906.00	3,797,014.00
Duplicate Certificates	496,256.00	506,745.00
New Vehicle Registration	691,731.00	789,364.00
Decal Replacement-Plate Substitution	283,018.00	292,543.00
Search of Vehicle Records	445,256.51	472,891.03
Vehicle Inspection	-	-
Plate Transfer	382,776.00	443,992.00
F R Filing Fee	18,101.02	17,740.52
Sub Total	7,292,871.53	7,999,883.55
Permit Fees:		
Temporary Operation	309,506.00	316,212.00
Temporary Testing & Demonstration	294,674.00	491,671.00
Sub Total	604,180.00	807,883.00
Other:		
NSF Service Charges	-	4,007.47
Special Line Charges	2,018.40	15,029.94
Suspense (Not Allocated)	279.52	624.32
Suspense (Refunds)	9,044.74	2,653.10
Miscellaneous	718.86	1,837.39
Exchange Account	18,882.76	15,611.72
Recycling	36,043.18	22,437.07
Sub Total	66,987.46	62,201.01
Total Vehicle Revenue	53,568,967.99	59,848,064.06

MOTOR VEHICLE ACT - REVENUE SOURCE (continued)

DRIVERS	1984 $	1985 $
Licence Fees		
Originals	3,824,413.92	4,644,594.90
Duplicates	392,739.54	386,041.49
Industrial Air Certificates	350.00	300.00
Driving School Licences	5,355.00	5,210.00
Sub Total	4,222,858.46	5,036,146.39
General Fees		
Identification Cards	72,547.00	78,218.00
Air Brake Manuals	28,869.00	28,603.00
Driver Examination Medical Appeals	1,500.00	1,615.00
Driver Examination Fee	1,268,456.00	1,287,902.00
Driver Licence Assessment	105,644.50	-
Driver Record Search	21,742.65	22,225.91
Reinstatement Fees	641,500.00	817,400.00
Sub Total	2,140,259.15	2,235,963.91
Other		
Driver Licence Overpayments	-	-
Sub Total	-	-
Total Driver Licence Revenue	6,363,117.61	7,272,110.30
Total Motor Vehicle Act	59,932,085.60	67,120,174.36

COMMERCIAL TRANSPORT ACT - REVENUE SOURCE

	1984 $	1985 $
Licence Fees		
Commercial	50,196,126.00	55,519,998.00
Trailers	334,779.00	442,678.00
Trailer Floater	370,764.00	276,632.00
Probate & Reciprocity	2,615,819.31	2,669,336.49
Special Agreement Licences	49,387.00	1,123.00
Sub Total	53,566,875.31	58,909,767.49
General Fees		
New Plate	476,237.00	533,417.00
New Vehicle Registration	192,272.00	216,067.00
Decal Replacement and Plate Substitution	73,989.00	89,910.00
Sub Total	742,498.00	839,394.00
Permit Fees		
Temporary Operation	351,023.78	347,767.50
Temporary Testing & Demonstration	118,287.00	201,003.00
Non Resident Commercial	1,605,130.50	1,769,786.00
Oversize/Overweight & Highway Crossing	2,583,568.17	2,598,212.21
Commercial Trans Trust Account	67,535.00	29,127.00
Sub Total	4,725,544.45	4,945,895.71
Total Commercial Transport Act	59,034,917.76	64,695,047.20

ALL TERRAIN VEHICLE ACT - REVENUE SOURCE

	1984 $	1985 $
Licence Fees		
Registration Fee	6,330.00	6,753.50
Sub Total	6,330.00	6,753.50
General Fees		
Decal Substitution		
Transfer of Ownership		
Duplicate Certificate		
Sub Total	6,330.00	6,753.50
Total All Terrain Vehicle Act	6,330.00	6,753.50
Total Motor Carrier Act	1,014.00	996.00

SUMMARY OF REVENUES COLLECTED

	1984 $	1985 $
Motor Vehicle Act	59,932,085.60	67,120,174.36
Commercial Transport Act	59,034,917.76	64,695,047.20
All Terrain Vehicle Act	6,330.00	6,753.50
Motor Carrier Act	1,014.00	996.00
Sub Total	118,974,347.36	131,822,971.06
Total	118,974,347.36	131,822,971.06

Other revenues collected by the Motor Vehicle Department in conjunction with the licensing programs on behalf of the Ministry of Finance and the Insurance Corporation of British Columbia

	1984 $	1985 $
Ministry of Finance		
Social Service Tax Act	1,792,168.11	2,148,830.12
Motive Fuel Use Tax Act	539,910.18	538,104.38
Sub Total	2,332,078.29	2,686,934.50
Insurance Corporation of British Columbia	2,985,246.05	2,925,000.29
Sub Total	2,985,246.05	2,925,000.29
Total Other Revenues	5,317,324.34	5,611,934.79
Total Revenue Collected	124,291,671.70	137,434,905.85

OTHER MINISTRIES - REVENUE SOURCES

The following reflects the type of revenue collected in conjunction with the vehicle licensing programs and transferred to the Ministry responsible.

Ministry of Finance	
Social Services Tax	2,148,830.12
Motive Fuel Use Tax	538,104.38
Sub Total	2,686,934.50
Ministry of Consumer and Corporate Affairs	
Lien Searches	56,131.00
Sub Total	56,131.00
Insurance Corporation of B.C.	
Insurance Premiums	2,829,124.00
Debt Collection	95,876.29
Sub Total	2,925,000.29
All Ministries	
Recycling	22,437.07
Pay Phone Commissions	0.00
Sub Total	22,437.07
Total Other Ministries	5,690,502.86
Grand Total	137,434,905.85

REFUNDS

Legislation provides for the refunding of licence fees where licence plates are surrendered to the Superintendent. A person who was allocated motor vehicle licence plates for use on a vehicle registered in his name can, upon disposal of the vehicle, retain, destroy or attach the number plates to a substitute vehicle, or surrender them to the Superintendent, together with an application for refund of fees.

Refunds for motor vehicle licence plates are granted on the basis of the unexpired portion of the licence-year, but no refund is made of an amount less than $5.00.

On reassignment of the motor vehicle plates to a substitute vehicle, no refund is granted if the combined licence and insurance fee is less than $5.00.

The following summary sets out the amount of money refunded for the 1985 calendar year.

Type of Refund	Number	Amount $
General Refunds		
Motor Vehicle Act		
Passenger	80	1,975.25
Drivers	250	1,747.00
Refund from Suspense	149	1,723.60
I.C.B.C. (Mid Term Changes)	13	3,024,492.00
Search Fees	411	19,852.10
Personalized Number Plates	260	12,540.00
Drivers Licence Assessment Fee	26	1,300.00
Financial Responsibility Filing Fee	81	985.61
Transporter Plates	1	36.00
Motor Vehicle Inspection		
I.C.B.C. Debt Collection Batches	55	100,104.20
Demo, Repairer, Manufacturer Cancellations	1	50.00
Medical Appeals	16	815.00
Prorate - U.S. Exchange		
Miscellaneous Revenue	5	30,639.63
Office Shortage		
N.S.F.	1	5.00
N.S.F. Service Charge	2	53.00
I.C.B.C. Cancellations	23	664.00
Department of Commercial Transport		
Commercial	101	4,081.39
I.C.B.C. (Mid Term Changes)	13	2,772,730.00
Trailer Floater Plates	3	45.00
Prorate Fees	289	158,313.89
Weigh Scale General Account	5	1,073.00
Weigh Scale Trust Account	16	8,291.50
Total General Refunds		6,141,517.17
Relinquishment Refunds		
Motor Vehicle Act		
I.C.B.C. (Cancellations)	49	1,824.00
Drivers		
Department of Commercial Transport		
Commercial		
Total Relinquishment Refunds		1,824.00
All Terrain Vehicle Refunds		
All Terrain Vehicle	4	20.00
	4	20.00
TOTAL	1,853	6,143,361.17

DRIVER LICENCE DIVISION

This Division is responsible for the examination of an applicant's ability to safely operate a class of motor vehicle, the issuance of drivers' licences and British Columbia Identification Cards, the administration of the driver medical review program, development and administration of the driver improvement program, the compiling and recording of traffic accident reports, maintenance of driver's individual driving records, and the licencing of driver training school operators and instructors.

The Motor Vehicle Department operates motor licence offices in 35 locations throughout the Province, as well as one permanent examination centre. Smaller communities are serviced through travelling driver examination units.

The issuance of drivers' licences is undertaken by government agencies, and motor licence issuing offices and by agents appointed by the Superintendent.

Original driver licences issued during the calendar year totalled 73,496, a decrease of 2,636 or 3.4% from 76,132 issued in 1984.

British Columbia identification cards issued during 1985 totalled 15,529, an increase of 1% over 15,415 processed in 1984.

The number of licenced drivers in British Columbia as of December 31, 1985 was 2,320,273, an increase of 75,969 or 3.5% over the previous year. There were 1,303,782 male drivers and 1,016,491 female drivers.

DRIVING OFFENCES

The reporting of driving offences under the Criminal Code (Canada), Motor Vehicle Act and Motor Vehicle Act Regulations, continues to supply information for inclusion in the individual driving records of each driver in this Province. Access to these records is available by means of the driver's licence number or by the name of the driver. It is the responsibility of the Driver Licence Division to retain these records and to use the information in their assessment of driver records.

SHORT TERM LICENCES

The Motor Vehicle Department developed the short term licence program in response to concern about the rate of accidents and offences among new drivers and to encourage the development of safe driving habits which will last beyond the probationary period.

This program was introduced January 1, 1983 and affected all drivers receiving a British Columbia driver's licence for the first time as well as drivers who had been prohibited and were being reinstated.

MOTORCYCLE RIDER TESTING

The Motor Vehicle Department introduced a change in the motorcycle rider testing procedures March 1, 1985. Changes included additional questions added to the knowledge examination, an addition of a "supervision" restriction, a novice skill test to remove the supervision restriction and additional tests in the final skill and road evaluation.

OFFENCES COMMITTED UNDER THE CRIMINAL CODE - ALL DRIVERS (INCLUDING YOUNG OFFENDERS), 1982 - 1985

Offences	1982	1983	1984	1985
Under Criminal Code (Canada)				
Causing death by criminal negligence, sec. 203	7	8	11	1
Causing injury by criminal negligence, sec. 204	2	3	5	0
Manslaughter by means of a motor vehicle, sec. 219	0	0	0	0
Criminal negligence in operation of a motor vehicle, sec. 233 (1) (Repealed December 4, 1985)	57	46	36	17
Failure to stop at scene of accident, sec. 236 (1) [233 (2)]	560	374	312	185
Dangerous driving, sec. 233 (4)	618	547	456	257
Driving while ability impaired, sec. 237 (a) [234]	7,181	6,772	6,407	4,296
Failure or refusal to provide sample of breath or blood, sec. 238 (5) [235]	2,111	1,948	1,745	1,212
Driving with more than 80 milligrams of alcohol in blood, sec. 237 (b) [236]	9,684	8,453	9,025	7,075
[Operating motor vehicle while driver's licence under suspension, sec. 238 Not in effect since 1981]				
Operation of a motor vehicle while disqualified, sec. 242(2) & 242(4) Effective December 4, 1985	5	0	1	0
New Offences after December 4, 1985				
Dangerous operation of a motor vehicle, sec. 233 (a) (a)	-	-	-	3
Dangerous operation causing bodily harm, sec. 233 (e)	-	-	-	0
Operation of a motor vehicle while impaired causing bodily harm, sec. 239 (2)	-	-	-	0
Operation of a motor vehicle while impaired causing death, sec. 239 (3)	-	-	-	0
TOTAL	20,225	18,151	17,998	13,045

Section numbers in brackets [] offences prior to December 4, 1985

OFFENCES COMMITTED UNDER THE MOTOR VEHICLE ACT - ALL DRIVERS (INCLUDING YOUNG OFFENDERS), 1982 - 1985

Offences	1982	1983	1984	1985
Under Motor Vehicle Act				
Driving without a licence, sec. 23 (1), 23 (2)	7,715	10,205	10,774	11,826
Driving without subsisting Motor Vehicle Liability policy, sec. 23 (3)	6,452	6,628	6,016	5,225
Failing to obey restriction on driver's licence, sec. 24 (7), 24 (8)	2,129	2,024	1,778	1,537
Driving without having a driver's licence & liability card in possession at time, sec. 30 (1)	22,864	31,313	28,769	25,898
Driving when right to obtain licence is suspended, sec. 31 (3)	3	0	0	0
Failing to fulfill duty of driver involved in accident, sec. 62	1,298	1,383	1,106	1,087
Using licence belonging to another; refusing to show licence, sec. 64	1,380	963	596	610
Failing to comply with instruction of peace officer, sec. 67	79	274	276	286
Driving while prohibited or suspended, sec. 88, 92 (9), 94	1,048	1,626	975	657
Failing to stop for peace officer, sec. 92/1	11	150	159	131
Undue Care - Construction and Maintenance vehicles, sec. 117	-	-	0	0
Disobeying a peace officer, sec. 119	83	62	53	53
Failing to obey instructions of traffic control signal, sec. 130, 132-136, 139, 163	66,775	69,549	75,187	65,416
Failing to obey special signs "re" highway construction, sec. 145, 146, 148	621	662	1,120	675
Driving without due care and attention, sec. 149 (A)	7,170	7,121	6,353	6,214
Driving without reasonable consideration for other persons using the highway, sec. 149 (B)	2,488	2,269	2,004	1,988
Driving too fast for road or weather conditions, sec. 149 (C)	3,806	3,479	3,771	3,532
Driving too slowly, sec. 150	126	139	152	120
Speeding, sec. 151	312,502	329,168	320,163	281,246
Speeding in playground or school zone, sec. 152	25,705	36,257	32,482	23,260
Failing to stop on meeting or overtaking school bus, sec. 153	383	325	306	274
Failing to drive on the right, sec. 154	1,572	1,702	1,614	1,490
Infractions of "lane" driving, sec. 155-157	8,282	7,901	7,525	6,686
Infractions of "passing", sec. 159-162, 165	3,685	3,292	4,097	3,784
Following too close, sec. 164	3,822	4,236	4,026	3,728
Infractions of turning, starting, & directional signals, sec. 166-174	6,385	6,130	7,620	7,033
Failing to yield right-of-way, sec. 175-179	6,378	6,707	6,990	150
Not exercising due care "re" pedestrians, sec. 181, 183	2,334	2,496	3,218	2,349
Failing to stop at railway crossing, sec. 186	435	391	431	685
Failing to stop properly at stop sign, sec. 187	22,933	23,425	22,133	17,925
Leaving vehicle improperly parked, sec. 192	4	860	1,020	817
Backing vehicle illegally, sec. 194	2,371	2,560	2,568	2,353
Improper seating in motorcycle, sec. 195	21	21	14	20
Failing to comply with requirements before moving vehicle, sec. 196	92	110	111	100
Improper control or operation of vehicle in canyon or defile or mountain road, sec. 197	7	1	1	1
Coasting down grade illegally, sec. 198	5	6	10	6
Failing to observe fire vehicle safety, sec. 199, 200	28	21	17	26
Driving over sidewalk, walkway or boulevard, sec. 201	224	234	178	196
Opening door when unsafe, sec. 204	49	68	72	69

OFFENCES COMMITTED UNDER THE MOTOR VEHICLE ACT - ALL DRIVERS (INCLUDING YOUNG OFFENDERS), 1982 - 1985 (continued)

Offences	1982	1983	1984	1985
Under Motor Vehicle Act (continued)				
Illegal depositing of articles on highway, sec. 205	170	171	157	162
Operating motor vehicle with less than minimum clearance, sec. 206	1	85	70	51
Operating motor vehicle with television set in illegal position, sec. 207	0	2	1	6
Operating motor vehicle without required emergency warning devices, sec. 209	0	221	342	297
Operating an improperly equipped motor vehicle, sec. 216	0	3,827	5,025	4,908
Failing to wear seat belt assembly, sec. 217	36,596	62,393	53,572	34,091
Riding motorcycle without safety helmet, sec. 218	709	732	776	620
Driving with more than 80 mg of alcohol in blood, sec. 220.1	-	1	62	27
Refusal to give blood sample, sec. 220.3	-	0	10	2
Registration and licence, sec. 3	87	178	252	225
Number plate offence, sec. 12	5,554	7,453	7,679	7,069
Change of address and/or name of motor vehicle, sec. 13	124	257	238	199
Transfer of motor vehicle, sec. 16	60	98	128	102
Registration of foreign motor vehicles and trailers, sec. 20	153	128	195	153
Change of address and/or name of driver, sec. 27	1,147	1,825	1,705	1,790
Municipal chauffeurs permit, sec. 32	56	16	29	72
Parking prohibited, sec. 188	237	268	251	208
Vehicle stopping prohibited/manner of parking, sec. 190, 191	1,808	2,770	1,894	1,553
Pedestrian wrongdoing, sec. 181 (2)	18	10	29	12
Rights and Duty of cyclist, sec. 185	236	419	1,130	1,480
Evidence of weight of vehicle or load, sec. 212	14	2	5	11
Repairmans licence, sec. 42	7	8	12	12
Dealer plates, sec. 44	10	17	18	20
Accident reported in 24 hours or 48 hours, sec. 61	146	141	69	85
Misuse of number plates, sec. 63	83	104	103	102
Production of motor vehicle licence, sec. 65	1,632	1,814	1,876	1,918
Alteration of plates/driver's licence, sec. 68	84	250	123	95
Liability of owner for violation of Act, sec. 76	443	471	1,483	2,467
Allowing unlicenced minor to drive, sec. 78	58	100	67	60
Failing to carry motor vehicle or trailer licence, sec. 10	-	-	-	324
Failing to produce valid insurance, sec. 23/5	-	-	-	1
Permitting passengers on handlebars or frame of motorcycle, sec. 49	-	-	-	5
Removing or obliterating engine or serial number, sec. 53	-	-	-	1
Transporting animals in an unsafe manner, sec. 66	-	-	-	12
Failing to give information to a police officer, sec. 77	-	-	-	29
Failing to transport explosive cargo as required by this section, sec. 208	-	-	-	6
Operating a motor vehicle without winter equipment, sec. 210	-	-	-	24
TOTAL	570,993	648,109	631,157	535,352

OFFENCES COMMITTED UNDER THE MOTOR VEHICLE ACT REGULATIONS - ALL DRIVERS (INCLUDING YOUNG OFFENDERS), 1982 - 1985

Offences	1982	1983	1984	1985
Under Motor Vehicle Act Regulations				
Display/use of number plates, sec. 3.01 - 3.12	3,909	4,808	6,108	5,232
Lamps, sec. 4.01-4.24	6,742	10,473	14,358	13,555
Brakes, sec. 5.01-5.09	675	953	1,204	981
Brake regulations, sec. 6.01-6.13	1,043	1,249	2,094	2,473
Other equipment, sec. 7.01-7.14	3,887	5,858	6,340	6,299
Bald tires, sec. 7.161 (1) - 7.161 (4)	4,040	6,139	6,617	6,330
Loud and unnecessary noise from motor vehicle, division 7A:01	3,318	3,065	2,929	2,649
Slow moving vehicles, sec. 78.01-78.04	67	65	87	48
Equipment kept for sale, sec. 8.01-8.04	4	19	51	54
Operating school bus without signs, sec. 11.10	-	-	-	6
Temporary operator permits, sec. 14.01-14.05	98	72	131	114
Parking violation, sec. 18.01	108	186	118	152
Oversize/escaping load/studded tires, sec. 19.02-19.05, 19.07	1,558	1,902	1,850	1,397
Operating without permit, sec. 24.01	11	13	11	16
Invalid licence class, sec. 30.03	-	13	9	24
Insecure load, sec. 35.01-35.13	796	1,232	1,482	2,338
Failing to wear child restraint, sec. 36.01	-	-	-	727
TOTAL	35,315	48,779	43,389	42,395

OFFENCES COMMITTED UNDER THE MOTOR VEHICLE ACT - YOUNG OFFENDERS ONLY, 1982 - 1985

Offences	1982	1983	1984	1985
Under Motor Vehicle Act				
Driving without a licence, sec. 23 (1), 23 (2)	57	66	137	776
Driving without subsisting Motor Vehicle Liability policy, sec. 23 (3)	31	56	98	507
Failing to obey restriction on driver's licence, sec. 24 (7), 24 (8)	22	31	74	193
Driving without having a driver's licence & liability card in possession at time, sec. 30 (1)	128	207	432	2,072
Driving when right to obtain licence is suspended, sec. 31 (3)	0	0	0	0
Failing to fulfill duty of driver involved in incident, sec. 62	18	36	29	82
Using licence belonging to another; refusing to show licence, sec. 64	9	2	9	53
Failing to comply with instruction of peace officer, sec. 67	4	4	5	26
Driving while prohibited or suspended, sec. 88, 92 (9), 94	2	8	2	8
Failing to stop for peace officer, sec. 92/1	0	7	5	28
Undue Care - Construction and Maintenance Vehicles, sec. 117	-	-	0	0
Disobeying a peace officer, sec. 119	1	1	0	2
Failing to obey instructions of traffic control signal, sec. 130, 132-136, 139, 163	321	321	530	1,719
Failing to obey special signs "re" highway construction, sec. 145, 146, 148	1	1	9	11
Driving without due care and attention, sec. 149 (A)	166	208	316	890
Driving without reasonable consideration for other persons using the highway, sec. 149 (B)	53	70	93	335
Driving too fast for road or weather conditions, sec. 149 (C)	79	112	240	583
Driving too slowly, sec. 150	2	1	4	6
Speeding, sec. 151	1,950	2,191	3,328	11,555
Speeding in playground or school zone, sec. 152	145	219	308	855
Failing to stop on meeting or overtaking school bus, sec. 153	5	9	10	30
Failing to drive on the right, sec. 154	16	22	43	124
Infractions of "lane" driving, sec. 155-157	50	49	100	331
Infractions of "passing", sec. 159-162, 165	21	36	48	140
Following too close, sec. 164	43	50	102	252
Infractions of turning, starting, and directional signals, sec. 166-174	47	34	73	240
Failing to yield right-of-way, sec. 175-179	73	88	148	470

OFFENCES COMMITTED UNDER THE MOTOR VEHICLE ACT - YOUNG OFFENDERS ONLY, 1982 - 1985 (continued)

Offences	1982	1983	1984	1985
Under Motor Vehicle Act (continued)				
Not exercising due care "re" pedestrians, sec. 181, 183	17	12	27	77
Failing to stop at railway crossing, sec. 186	2	3	3	26
Failing to stop properly at stop sign, sec. 187	200	198	314	1,096
Leaving vehicle improperly parked, sec. 192	0	0	1	15
Backing vehicle illegally, sec. 194	32	27	67	192
Improper seating in motorcycle, sec. 195	0	1	0	1
Failing to comply with requirements before moving vehicle, sec. 196	2	1	3	23
Improper control or operation of vehicle in canyon or defile or mountain road, sec. 197	0	0	0	0
Coasting down grade illegally, sec. 198	0	0	1	1
Failing to observe fire vehicle safety, sec. 199, 200	0	0	0	1
Driving over sidewalk, walkway or boulevard, sec. 201	2	3	9	22
Opening door when unsafe, sec. 204	0	0	0	0
Illegal depositing of articles on highway, sec. 205	1	0	5	26
Operating motor vehicle with less than minimum clearance, sec. 206	-	0	1	5
Operating motor vehicle with television set in illegal position, sec. 207	-	0	0	0
Operating motor vehicle without required emergency warning devices, sec. 209	-	0	0	2
Operating an improperly equipped motor vehicle, sec. 216	-	2	77	327
Failing to wear seat belt assembly, sec. 217	110	240	373	1,118
Riding motorcycle without safety helmet, sec. 218	5	11	17	78
Driving with more than 80 mg of alcohol in blood, sec. 220.1	-	0	1	1
Refusal to give blood sample, sec. 220.3	-	0	0	0
TOTAL	3,615	4,384	7,042	24,299

OFFENCES COMMITTED UNDER THE CRIMINAL CODE - YOUNG OFFENDERS ONLY, 1982 - 1985

Offences	1982	1983	1984	1985
Under Criminal Code (Canada)				
Causing death by criminal negligence, sec. 203	0	0	0	0
Causing injury by criminal negligence, sec. 204	0	0	0	0
Manslaughter by means of a motor vehicle, sec. 219	0	0	0	0
Criminal negligence nin operation of a motor vehicle, sec. 233 (1) (Repealed December 4, 1985)	3	3	0	2
Failure to stop at scene of accident, sec. 236 (1), [233 (2)]	0	6	3	4
Dangerous driving, sec. 233 (4)	12	20	7	43
Driving while ability impaired, sec. 237 (a) [234]	28	48	20	94
Failure or refusal to provide sample of breath or blood, sec. 238 (5) [235]	3	4	2	9
Driving with more than 80 milligrams of alcohol in blood, sec. 237 (b) [236]	27	24	16	91
[Operating motor vehicle while driver's licence under suspension, sec. 238 Not in effect since 1981]	0	0	0	
Operation of a motor vehicle while disqualified, sec. 242(2) & 242(4) Effective December 4, 1985				
New offences after December 4, 1985				
Dangerous operation of a motor vehicle, sec. 233 (1) (a)	-	-	-	0
Dangerous operation causing bodily harm, sec. 233 (3)	-	-	-	0
Operation of a motor vehicle while impaired causing bodily harm, sec. 239 (2)	-	-	-	0
Operation of a motor vehicle while impaired causing death, sec. 239 (3)	-	-	-	0
TOTAL	73	105	48	243

Section numbers in brackets [] offences prior to December 4, 1985

ANALYSIS OF LICENCED DRIVERS ON FILE - MALE

Age	Class 1	Class 1, 6	Class 2	Class 2, 6	Class 3	Class 3, 4	Class 3, 4, 6	Class 3, 6	Class 4	Class 4, 6	Class 5	Class 5, 6	Class 6	Learner's Licence (Class Unknown	Total
16	0	0	0	0	0	0	0	0	0	0	9,890	225	54	1,977	12,146
17	0	0	0	0	1	0	0	0	0	0	14,378	636	70	1,042	16,127
18	1	0	1	0	46	0	0	13	11	2	15,924	1,170	91	642	17,901
19	102	22	8	3	103	4	2	21	130	19	16,898	1,660	88	496	19,556
20	184	51	28	8	147	10	3	42	276	48	18,422	2,370	98	357	22,044
21-25	2,879	1,112	469	199	2,385	254	109	782	3,885	915	109,989	18,421	415	973	142,787
26-30	5,468	2,757	1,061	482	4,451	674	343	1,841	6,790	2,061	116,554	23,757	350	441	167,030
31-35	5,953	3,246	1,634	839	5,001	943	533	2,194	8,331	2,533	112,281	24,642	282	210	168,622
36-40	6,807	1,975	2,081	644	5,177	947	355	1,371	7,307	1,475	109,158	14,657	104	107	152,165
41-45	6,147	1,190	1,789	341	4,254	682	145	632	4,418	585	85,978	6,720	28	59	112,968
46-50	5,049	619	1,353	208	3,787	443	84	415	2,724	239	69,888	3,686	26	42	88,563
51-55	4,078	427	1,139	133	3,327	396	43	258	1,817	149	67,778	2,664	10	48	82,267
56-60	2,676	235	874	87	3,029	255	29	162	1,389	84	63,937	1,986	23	36	74,802
61-65	1,245	77	553	43	1,828	139	5	81	903	40	62,464	1,320	16	20	68,734
66-70	288	15	186	7	721	32	3	21	355	11	51,840	806	13	18	54,316
71-75	42	3	38	3	127	6	1	1	139	3	45,9668	389	14	16	46,748
76-80	5	0	5	0	16	0	0	0	20	1	30,696	92	9	4	30,848
81-85	0	0	0	0	5	0	0	0	7	0	16,499	24	8	1	16,544
86-90	0	0	0	0	0	0	0	0	1	0	6,578	4	4	0	6,587
91-95	0	0	0	0	0	0	0	0	0	0	2,428	0	2	0	2,430
96-105	0	0	0	0	0	0	0	0	0	0	597	0	0	0	597
TOTAL	40,924	11,729	11,219	2,997	34,405	4,785	1,655	7,834	38,503	8,165	1,028,143	105,229	1,705	6,499	1,303,782

ANALYSES OF LICENCED DRIVERS ON FILE - FEMALE

Age	Class 1	Class 1, 6	Class 2	Class 2, 6	Class 3	Class 3, 4	Class 3, 4, 6	Class 3, 6	Class 4	Class 4, 6	Class 5	Class 5, 6	Class 6	Learner's Licence (Class Unknown	Total
16	0	0	0	0	0	0	0	0	0	0	6,549	19	10	2,188	8,766
17	0	0	0	0	0	0	0	0	0	0	10,768	57	16	1,423	12,264
18	0	0	0	0	1	0	0	0	0	0	13,280	90	15	989	14,375
19	3	0	0	0	2	0	0	0	33	3	14,797	140	18	840	15,836
20	5	0	2	0	1	0	0	0	115	3	17,172	190	17	688	18,193
21-25	102	10	78	9	71	9	4	10	1,594	77	115,358	1,718	79	2,041	121,160
26-30	213	30	217	28	154	25	3	16	2,196	179	139,373	2,604	60	954	146,052
31-35	174	24	327	32	126	13	2	21	2,143	161	137,792	2,563	58	540	143,976
36-40	128	22	298	32	74	18	2	9	1,445	87	122,792	1,531	26	279	126,763
41-45	90	10	225	15	62	13	0	2	978	45	88,708	800	12	129	91,089
46-50	53	6	180	11	31	4	0	3	601	16	66,142	373	13	121	67,554
51-55	18	4	88	2	27	2	0	2	389	8	56,849	193	6	86	57,674
56-60	12	1	51	2	30	0	0	1	234	5	53,113	118	9	68	53,644
61-65	4	0	37	0	12	1	0	0	110	0	50,853	60	6	81	51,164
66-70	0	0	3	0	1	0	0	0	30	0	37,853	22	1	40	37,949
71-75	0	0	1	0	0	0	0	0	9	0	27,272	12	1	15	27,310
76-80	0	0	0	0	0	0	0	0	0	0	14,081	4	1	9	14,095
81-85	0	0	0	0	0	0	0	0	0	0	5,900	1	1	2	5,904
86-90	0	0	0	0	0	0	0	0	2	0	2,114	1	0	0	2,117
91-95	0	0	0	0	0	0	0	0	0	0	549	0	0	0	549
96-105	0	0	0	0	0	0	0	0	0	0	57	0	0	0	57
TOTAL	802	107	1,507	131	592	85	11	64	9,879	584	981,371	10,516	349	10,493	1,016,491

ANALYSIS OF LICENCED DRIVERS ON FILE - MALE AND FEMALE

Age	Class 1	Class 1, 6	Class 2	Class 2, 6	Class 3	Class 3, 4	Class 3, 4, 6	Class 3, 6	Class 4	Class 4, 6	Class 5	Class 5, 6	Class 6	Learner's Licence (Class Unknown	Total
16	0	0	0	0	0	0	0	0	0	0	16,439	244	64	4,165	20,912
17	0	0	0	0	1	0	0	0	0	0	25,146	693	86	2,465	28,391
18	1	0	1	0	47	0	0	13	11	2	29,204	1,260	106	1,631	32,276
19	105	22	8	3	105	4	2	21	163	22	31,695	1,800	106	1,336	35,392
20	189	51	30	8	148	10	3	42	391	51	35,594	2,560	115	1,045	40,237
21-25	2,981	1,122	547	208	2,456	283	113	792	5,479	992	225,347	20,139	494	3,014	263,947
26-30	5,681	2,787	1,278	510	4,605	699	346	1,857	8,986	2,240	255,927	26,361	410	1,395	313,082
31-35	6,127	3,270	1,961	871	5,127	956	535	2,215	10,474	2,694	250,073	27,205	340	750	312,598
36-40	6,935	1,997	2,379	676	5,251	965	357	1,380	8,752	1,562	231,950	16,208	130	386	278,928
41-45	6,237	1,200	2,014	356	4,316	695	145	634	5,396	630	174,686	7,520	40	188	204,057
46-50	5,102	625	1,533	219	3,818	447	84	418	3,325	255	136,030	4,059	39	163	156,117
51-55	4,096	431	1,227	135	3,354	398	43	260	2,206	157	124,627	2,857	16	134	139,941
56-60	2,688	236	925	89	3,059	255	29	163	1,923	89	117,050	2,104	32	104	128,446
61-65	1,249	77	590	43	1,840	140	5	81	1,013	40	113,317	1,380	22	101	119,898
66-70	288	15	189	7	722	32	3	21	385	11	89,692	828	14	58	92,265
71-75	42	3	39	3	127	6	1	1	148	3	73,238	401	15	31	74,058
76-80	5	0	5	0	16	0	0	0	20	1	44,777	96	10	13	44,943
81-85	0	0	0	0	5	0	0	0	7	0	22,399	25	9	3	22,448
86-90	0	0	0	0	0	0	0	0	3	0	8,692	5	4	0	8,704
91-95	0	0	0	0	0	0	0	0	0	0	2,977	0	2	0	2,979
96-105	0	0	0	0	0	0	0	0	0	0	654	0	0	0	654
TOTAL	41,726	11,836	12,726	3,128	34,997	4,870	1,666	7,898	48,382	8,749	2,009,514	115,745	2,054	16,982	2,320,273

ACCIDENTS & VICTIMS BY MONTH

Month	Accidents				Victims		
	Fatal	Injury	Property Damage	Total Accidents	Fatal	Injury	Total Victims
January	18	1,613	6,414	8,045	18	2,214	2,232
February	20	1,669	7,109	8,798	21	2,202	2,223
March	27	1,655	5,489	7,171	29	2,248	2,277
April	26	1,782	5,438	7,246	28	2,422	2,450
May	35	2,046	5,717	7,798	40	2,850	2,890
June	53	2,231	5,685	7,969	57	3,152	3,209
July	43	2,228	5,657	7,928	51	3,137	3,188
August	54	2,317	6,145	8,516	63	3,375	3,438
September	39	2,158	6,185	8,382	46	2,994	3,040
October	33	2,477	7,469	9,979	37	3,455	3,492
November	43	2,358	8,485	10,886	48	3,270	3,318
December	37	2,189	7,984	10,210	45	3,049	3,094
TOTALS	428	24,723	77,777	102,928	483	34,368	34,851

MOTOR VEHICLE ACCIDENT FATAL AND INJURY VICTIMS BY AGE

Age	Fatal Victims				Injury Victims			
	Male	Female	Unknown	Total	Male	Female	Unknown	Total
1	0	1	0	1	34	32	0	66
2	0	0	0	0	39	47	0	86
3	1	1	0	2	59	56	1	116
4	1	1	0	2	72	60	0	132
5	2	0	0	2	99	75	0	174
6-10	3	5	0	8	510	395	3	908
11-15	14	8	0	22	807	707	1	1,515
16	8	4	0	12	525	450	0	975
17	11	2	0	13	737	493	0	1,230
18	13	5	0	18	896	495	0	1,391
19	14	3	0	17	970	520	0	1,490
20	14	1	0	15	987	511	1	1,499
21-25	66	14	0	80	3,818	2,280	2	6,100
26-30	52	9	0	61	2,445	1,656	0	4,101
31-35	32	12	0	44	1,809	1,330	0	3,139
36-40	29	5	0	34	1,283	1,140	2	2,425
41-45	14	7	0	21	861	838	1	1,700
46-50	12	6	0	18	762	621	0	1,383
51-55	10	7	0	17	579	549	2	1,130
56-60	13	5	0	18	513	529	0	1,042
61-65	10	10	0	20	379	418	1	798
66-70	6	5	0	11	288	355	0	643
71-75	11	5	0	16	244	274	0	518
76-80	7	7	0	14	149	158	0	307
81-85	6	6	0	12	66	70	0	136
86-90	3	2	0	5	29	26	0	55
91-95	0	0	0	0	4	5	0	9
96 & Over	0	0	0	0	1	5	0	6
Unknown	0	0	0	0	563	547	184	1,294
TOTAL	352	131	0	483	19,528	14,642	198	34,368

These figures represent drivers, passengers, motorcyclists, bicyclists and pedestrians.

TYPE OF SAFETY EQUIPMENT USED BY DRIVERS IN ACCIDENTS

Safety Equipment	Property Damage	Injury	Fatal	Total	%
Harness & Lap Belt	60,136	10,902	53	71,091	46
Lap Belt Only	13,538	2,385	11	15,934	10
Not Used	3,960	1,762	108	5,830	4
None in Vehicle	1,642	1,062	13	2,717	2
Harness Only	1,091	210	2	1,303	1
Helmet	204	798	29	1,031	1
No Helmet	16	26	4	46	0
Air Bag	22	1	0	23	0
Unknown	52,769	3,675	35	56,479	37
Other	24	11	0	35	0
TOTALS	133,402	20,832	255	154,489	100

TYPE OF SAFETY EQUIPMENT USED BY PASSENGERS IN ACCIDENTS

Safety Equipment	Property Damage	Injury	Fatal	Total	%
Harness & Lap Belt	20,150	4,783	36	24,969	45
Lap Belt Only	12,526	2,539	14	15,079	27
Not Used	3,088	2,094	63	5,245	10
Child Restraint	1,825	122	0	1,947	4
None in Vehicle	1,277	634	12	1,923	4
Harness Only	434	127	0	561	1
Helmet	47	145	4	196	0
Air Bag	35	6	0	41	0
No Helmet	11	17	1	29	0
Unknown	3,784	1,030	23	4,837	9
Other	9	6	0	15	0
TOTALS	43,186	11,503	153	54,842	100

NUMBER OF VEHICLES INVOLVED IN ACCIDENTS BY VEHICLE TYPE

Vehicle Type	Property Damage Accidents	Injury	Fatal	Total Vehicles	%
Passenger Car	98,694	30,621	324	129,639	69
Car and Trailer	512	144	2	658	1
Single Unit Truck, Light	23,207	6,231	127	29,565	16
* Single Unit Truck, Heavy	1,787	442	22	2,251	1
Light Truck/Trailer	407	102	6	515	0
* Heavy Truck/Trailer	459	107	6	572	0
* Tractor Trailer	1,158	362	28	1,548	1
* Tractor Trailer and Pup	230	97	11	338	0
* Logging Truck and Pole Trailer	190	63	6	259	0
School Bus	132	33	2	167	0
Public Bus	429	160	6	595	0
Motorcycle	633	1,871	40	2,544	1
Moped	2	26	0	28	0
Bicycle	235	1,849	15	2,099	1
Camper	1,299	412	5	1,716	1
Camper/Trailer	107	37	1	145	0
Motor Home	521	149	4	674	1
Motor Home/Trailer	118	35	2	155	0
Trailer Only	113	15	0	128	0
All Terrain Vehicles					
Four Wheel Drive	1,639	474	25	2,138	1
Snowmobile	5	14	0	19	0
Dune Buggy	2	7	2	11	0
Trail Bike	1	13	5	19	0
Mini Bike	1	2	0	3	0
Swamp Buggy	0	1	0	1	0
All Terrain Cycle	0	7	0	7	0
Hovercraft	1	1	0	2	0
Farm Vehicles	21	12	1	34	0
Road/General Const. Vehicles	129	29	3	161	0
Special Vehicles	7	2	0	9	0
Unidentified Vehicles	11,883	357	2	12,242	7
TOTAL	143,902	43,668	645	188,242	100

* These vehicles are defined as weighing 10,900 kg or over

MAJOR CONTRIBUTING FACTORS

Contributing factors are those circumstances or events that the attending police officer perceives to directly contribute to a traffic accident. The traffic investigation report permits up to three contributing factors or causes to be attributed to each vehicle or driver involved in an accident. These factors are listed in order of importance.

The figures in this set of tables represent only those accidents for which the police have reported a cause, and with the exception of "alcohol", represent only the first identified contributing factor.

In 1985, 71,122 factors were identified as contributing to 102,928 traffic accidents.

MAJOR CONTRIBUTING FACTORS IN 1985 ACCIDENTS

Contributing Factors	Property Damage Only	Personal Injury	Fatal	Total	Percent of Total
Human Action	31,141	13,434	210	44,785	63
Environmental Condition	10,433	3,047	42	13,522	19
Human Condition	6,292	4,313	165	10,770	15
Vehicle Condition	1,423	611	11	2,045	3
TOTAL	49,289	21,405	428	71,122	100

ACCIDENTS WHERE HUMAN ACTION WAS THE MAJOR CONTRIBUTING FACTOR

Human Action Factors	Property Damage Only	Personal Injury	Fatal	Total	Percent of Total
Driving Without Due Care	8,617	4,420	61	13,098	29
Failing to Yield Right of Way	6,300	3,210	25	9,535	21
Backing Unsafely	4,976	209	0	5,185	12
Driving at Unsafe Speed	3,065	1,609	62	4,736	10
Following Too Closely	2,583	1,416	2	4,001	9
Ignoring Traffic Device	1,239	876	9	2,124	5
Improper Turning	1,291	362	4	1,657	4
Cutting In	992	239	2	1,233	3
Improper Passing	681	262	2	945	2
Driving on Wrong Side	558	347	27	932	2
No Driver	617	40	0	657	1
Pedestrian Error/Confusion	29	353	16	398	1
Failing to Signal	177	83	0	260	1
Failing to Stop for Peace Officer	16	8	0	24	0
TOTAL	31,141	13,434	210	44,785	100

ACCIDENTS WHERE ENVIRONMENTAL CONDITION WAS THE MAJOR CONTRIBUTING FACTOR

Environmental Factors	Property Damage Only	Personal Injury	Fatal	Total	Percent of Total
Weather Condition	5,558	1,756	19	7,333	54
Wild Animal	2,068	254	2	2,324	17
Visibility Impaired	820	357	9	1,186	9
Construction	517	124	3	644	5
Domestic Animal	507	113	1	621	5
Obstruction/Debris	415	151	3	569	4
(Result of) Directly Preceding Accident	182	108	3	293	2
Sunlight Glare	175	100	1	276	2
Pavement in Poor Condition	136	49	0	185	1
Artificial Glare	29	27	1	57	1
Sign Obstruction	26	8	0	34	0
TOTAL	10,433	3,047	42	13,522	100

ACCIDENTS WHERE HUMAN CONDITION WAS THE MAJOR CONTRIBUTING FACTOR

Human Factors	Property Damage Only	Personal Injury	Fatal	Total	Percent of Total
Alcohol	4,395	3,227	138	7,760	72
Driver Inexperience	1,485	709	9	2,203	20
Fell Asleep	210	175	12	397	4
Fatigue	97	71	2	170	2
Illness	41	43	1	85	1
Unconscious	21	44	3	68	1
Physical Disability	13	14	0	27	0
Illegal Drugs	14	9	0	23	0
Medication (Legal Drugs)	10	9	0	19	0
Suicide Attempt	6	12	0	18	0
TOTAL	6,292	4,313	165	10,770	100

ACCIDENTS WHERE VEHICLE CONDITION WAS THE MAJOR CONTRIBUTING FACTOR

Vehicle Defect	Property Damage Only	Personal Injury	Fatal	Total	Percent of Total
Brakes	466	192	4	662	32
Tires	258	103	2	363	18
Headlights	75	80	2	157	8
Steering	76	65	0	141	7
Engine	93	34	0	127	6
Insecure Load	92	30	1	123	6
Turn Signals	64	24	0	88	4
Tow Hitch	80	6	0	86	4
Accelerator	54	31	0	85	4
Brake Lights	60	15	0	75	4
Oversize Vehicle	57	5	1	63	3
Suspension	24	11	1	36	2
Restraint System	15	6	0	21	1
Modified Vehicle	8	4	0	12	1
Windshield	1	4	0	5	0
Dangerous Goods	0	1	0	1	0
TOTAL	1,423	611	11	2,045	100

Traffic Accidents by Police Jurisdiction - Kelowna Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Armstrong	144	1	0.70	39	27.08	104	72.22	2	58
Enderby	116	1	0.86	32	27.59	83	71.55	1	43
Falkland	53	2	3.78	15	28.30	36	67.92	2	26
Kelowna (Rural)	656	8	1.22	184	28.05	464	70.73	10	274
Kelowna (Municipal)	1,844	11	0.60	479	25.98	1,354	73.42	13	636
Keremeos	117	1	0.86	45	38.46	71	60.68	1	71
Lumby	120	0	0.00	29	24.17	91	75.83	0	49
Oliver	188	2	1.06	33	17.55	153	81.39	2	47
Osoyoos	153	1	0.65	46	30.07	106	69.28	2	65
Penticton (Rural)	184	0	0.00	67	36.41	117	63.59	0	98
Penticton (Municipal)	741	4	0.54	196	26.45	541	73.01	4	269
Princeton	354	4	1.13	85	24.01	265	74.86	5	158
Revelstoke	491	5	1.02	114	23.22	372	75.76	5	178
Salmon Arm (Rural)	113	1	0.88	36	31.86	76	67.26	1	57
Salmon Arm (Municipal)	300	5	1.67	64	21.33	231	77.00	5	95
Sicamous	170	1	0.59	50	29.41	119	70.00	1	69
Summerland (Municipal)	161	0	0.00	37	22.98	124	77.02	0	53
Vernon (Rural)	343	3	0.87	114	33.24	226	65.89	3	180
Vernon (Municipal)	810	5	0.62	207	25.55	598	73.83	6	286
TOTAL	7,058	55	0.77	1,872	26.53	5,131	72.70	63	2,712

Traffic Accidents by Police Jurisdiction - Kamloops Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Alexis Creek	84	0	0.00	21	25.00	63	75.00	0	35
Anahim Lake	35	0	0.00	16	45.71	19	54.29	0	35
Ashcroft	166	1	0.60	43	25.90	122	73.50	2	64
Barriere	101	5	4.95	27	26.73	69	68.32	5	41
Blue River	0	0	0.00	0	0.00	0	0.00	0	0
Chase	199	5	2.51	56	28.14	138	69.35	6	86
Clearwater	166	4	2.41	48	28.92	114	68.67	4	83
Clinton	143	3	2.10	43	30.07	97	67.83	3	61
Kamloops (Rural)	213	6	2.82	84	39.44	123	57.74	7	128
Kamloops (Municipal)	1,862	8	0.43	443	23.79	1,411	75.78	8	632
Lillooet	197	4	2.03	52	26.40	141	71.57	6	93
Logan Lake	59	0	0.00	18	30.51	41	69.49	0	28
Lytton	125	2	1.60	30	24.00	93	74.40	3	56
Merritt (Rural)	179	4	2.23	54	30.17	121	67.60	4	75
Merritt (Municipal)	190	1	0.53	30	15.79	159	83.68	1	47
100 Mile House	366	5	1.37	103	28.14	258	70.49	5	152
Spences Bridge	72	3	4.17	24	33.33	45	62.50	3	40
Valemount	132	4	3.03	33	25.00	95	71.97	4	58
Williams Lake (Rural)	399	4	1.00	128	32.08	267	66.92	5	204
Williams Lake (Municipal)	527	2	0.38	93	17.65	432	81.97	2	134
TOTAL	5,215	61	1.17	1,346	25.81	3,808	73.02	68	2,052

Traffic Accidents by Police Jurisdiction - Nelson Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Castlegar (Rural)	153	1	0.65	44	28.76	108	70.59	1	75
Castlegar (Municipal)	185	2	1.08	36	19.46	147	79.46	2	44
Cranbrook (Rural)	271	5	1.85	50	18.45	216	79.70	5	81
Cranbrook (Municipal)	493	3	0.61	61	12.37	429	87.02	3	82
Crescent Valley	123	1	0.81	39	31.71	83	67.48	1	59
Creston	296	2	0.68	72	24.32	222	75.00	2	92
Elkford	43	0	0.00	13	30.23	30	69.77	0	14
Fernie	242	0	0.00	49	20.25	193	79.75	0	62
Field	52	1	1.92	13	25.00	38	73.08	1	28
Fruitvale	103	1	0.97	25	24.27	77	74.76	1	27
Golden	401	7	1.75	82	20.45	312	77.80	7	134
Grand Forks	237	4	1.69	61	25.74	172	72.57	4	96
Invermere	209	2	0.96	51	24.40	156	74.64	5	66
Kaslo	71	0	0.00	17	23.94	54	76.06	0	22
Kimberley (Rural)	98	1	1.02	20	20.41	77	78.57	1	25
Kimberley (Municipal)	123	0	0.00	18	14.63	105	85.37	0	27
Midway	109	1	0.92	29	26.61	79	72.47	1	38
Nakusp	135	0	0.00	27	20.00	108	80.00	0	37
Nelson	150	1	0.67	34	22.67	115	76.66	1	47
New Denver	44	0	0.00	12	27.27	32	72.73	0	15
Radium	153	2	1.31	30	19.61	121	79.08	2	50
Rossland	91	0	0.00	21	23.08	70	76.92	0	26
Salmo	131	1	0.76	37	28.25	93	70.99	3	72
Sparwood	212	1	0.47	39	18.40	172	81.13	1	44
Trail (Rural)	87	0	0.00	20	22.99	67	77.01	0	27
Trail (Municipal)	268	0	0.00	39	14.55	229	85.45	0	44
TOTAL	4,480	36	0.80	939	21.00	3,505	78.02	41	1,334

Traffic Accidents by Police Jurisdiction - Prince George Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Burns Lake	222	3	1.35	51	22.97	168	75.68	3	74
Chetwynd	228	2	0.88	63	27.63	163	71.49	4	95
Dawson Creek (Rural)	189	6	3.17	68	35.98	115	60.85	7	101
Dawson Creek (Municipal)	360	0	0.00	53	14.72	307	85.28	0	69
Fort Nelson	300	2	0.67	57	19.00	241	80.33	3	87
Fort St. James	143	2	1.40	31	21.68	110	76.92	2	46
Fort St. John (Rural)	335	6	1.80	64	19.10	265	79.10	6	82
Fort St. John (Municipal)	445	1	0.22	53	11.91	391	87.87	4	67
Fraser Lake	97	0	0.00	26	26.80	71	73.20	0	34
Hudson Hope	52	0	0.00	13	25.00	39	75.00	0	20
Mackenzie (Rural)	99	0	0.00	31	31.31	68	68.69	0	58
Mackenzie (Municipal)	130	0	0.00	19	14.62	111	85.38	0	29
McBride	96	0	0.00	27	28.13	69	71.87	0	40
Prince George (Rural)	513	5	0.97	142	27.68	366	71.35	6	188
Prince George (Municipal)	2,413	8	0.33	431	17.86	1,974	81.81	9	576
Quesnel (Rural)	330	8	2.42	113	34.24	209	63.34	10	183
Quesnel (Municipal)	341	0	0.00	67	19.65	274	80.35	0	101
Tumbler Ridge	141	0	0.00	29	20.57	112	79.43	0	40
Vanderhoof	247	4	1.62	57	23.08	186	75.30	4	85
Wells	36	0	0.00	14	38.89	22	61.11	0	20
Watson Lake/Teslin	29	2	6.90	5	17.24	22	75.86	3	11
TOTAL	6,746	49	0.72	1,414	20.96	5,283	78.32	61	2,006

Traffic Accidents by Police Jurisdiction - Prince Rupert Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Atlin	4	0	0.00	1	25.00	3	75.00	0	1
Bella Bella	0	0	0.00	0	00.00	0	0.00	0	0
Bella Coola	57	1	1.75	13	22.81	43	75.44	1	20
Cassiar	61	0	0.00	14	22.95	47	77.05	0	16
Dease Lake/Telegraph	82	2	2.44	27	32.93	53	64.63	3	41
Granisle	14	0	0.00	6	42.86	8	57.14	0	16
Hazelton	188	3	1.60	55	29.26	130	69.14	3	82
Houston	172	2	1.16	35	20.35	135	78.49	2	58
Kitimat (Rural)	58	1	1.72	15	25.86	42	72.42	1	35
Kitimat (Municipal)	160	1	0.62	27	16.88	132	82.50	1	36
Massett	75	2	2.67	19	25.33	54	72.00	2	32
New Aiyansh	26	1	3.85	5	19.23	20	76.92	1	6
Prince Rupert (Rural)	67	3	4.48	25	37.31	39	58.21	7	36
Prince Rupert (Municipal)	423	1	0.24	80	18.91	342	80.85	1	104
Queen Charlotte City	84	1	1.19	18	21.43	65	77.38	1	27
Smithers	318	2	0.63	75	23.58	241	75.79	2	117
Stewart	76	1	1.32	23	30.26	52	68.42	1	37
Terrace (Rural)	221	2	0.90	65	29.42	154	69.68	3	93
Terrace (Municipal)	329	2	0.61	64	19.45	263	79.94	2	88
TOTAL	2,415	25	1.03	567	23.48	1,823	75.49	31	845

Traffic Accidents by Police Jurisdiction - Vancouver Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Deas Island Freeway Patrol (Unit A)	423	2	0.47	143	33.81	278	65.72	2	234
Gibsons	198	1	0.51	51	25.76	146	73.73	1	71
Langley (City)	718	1	0.14	189	26.32	528	73.54	1	272
Langley (Township)	1,398	11	0.79	419	29.97	968	69.24	11	626
Maple Ridge (Rural)	210	1	0.47	48	22.86	161	76.67	1	78
Maple Ridge (Municipal)	1,035	3	0.29	215	20.77	817	78.94	4	292
Bowen Island (Marine)	27	0	0.00	9	33.33	18	66.67	0	10
Pemberton	73	1	1.37	24	32.88	48	65.75	1	41
Port Mann Freeway Patrol (Unit B)	1,091	5	0.46	340	31.16	746	68.38	6	491
Sechelt	173	2	1.16	46	26.59	125	72.25	3	63
Squamish (Rural)	177	3	1.70	61	34.46	113	63.84	3	84
Squamish (Municipal)	272	2	0.74	72	26.47	198	72.79	2	100
University	332	1	0.30	59	17.77	272	81.93	1	75
Whistler	195	1	0.51	36	18.46	158	81.03	1	47
White Rock	443	0	0.00	80	18.06	363	81.94	0	104
TOTAL	6,765	34	0.50	1,792	26.49	4,939	73.01	37	2,588

Traffic Accidents by Police Jurisdiction - Chilliwack Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Abbotsford (Rural)	17	0	0.00	4	23.53	13	76.47	0	6
Abbotsford (Municipal)	537	0	0.00	130	24.21	407	75.79	0	194
Agassiz	223	5	2.24	65	29.15	153	68.61	5	128
Boston Bar	163	3	1.84	43	26.38	117	71.78	4	69
Chilliwack (Rural)	117	0	0.00	36	30.77	81	69.23	0	57
Chilliwack (Municipal)	1,232	4	0.33	328	26.62	900	73.05	4	426
Hope	601	7	1.16	142	23.63	452	75.21	10	237
Mission (Rural)	110	2	1.82	39	35.45	69	62.73	3	61
Mission (Municipal)	472	2	0.43	120	25.42	350	74.15	2	180
Sumas Freeway Patrol (Unit C)	223	5	2.24	89	39.91	129	57.85	6	144
TOTAL	3,695	28	0.75	996	26.96	2,671	72.29	34	1,502

Traffic Accidents by Police Jurisdiction - Burnaby Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Burnaby	6,609	9	0.13	1,543	23.35	5,057	76.52	9	2,114
TOTAL	6,609	9	0.13	1,543	23.35	5,057	76.52	9	2,114

Traffic Accidents by Police Jurisdiction - Coquitlam Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Coquitlam (Rural)	314	0	0.00	85	27.07	229	72.93	0	113
Coquitlam (Municipal)	1,823	4	0.22	416	22.82	1,403	76.96	4	576
Port Coquitlam	770	0	0.00	190	24.68	580	75.32	0	263
TOTAL	2,907	4	0.13	691	23.78	2,212	76.09	4	952

Traffic Accidents by Police Jurisdiction - North Vancouver Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
North Vancouver (City)	1,384	3	0.22	267	19.29	1,114	80.49	3	321
North Vancouver (District)	1,491	2	0.13	304	20.39	1,185	79.48	2	392
TOTAL	2,875	5	0.17	571	19.86	2,299	79.97	5	713

Traffic Accidents by Police Jurisdiction - Richmond Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Richmond	3,313	3	0.09	866	26.14	2,444	73.77	3	1,147
TOTAL	3,313	3	0.09	866	26.14	2,444	73.77	3	1,147

Traffic Accidents by Police Jurisdiction - Surrey Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Surrey	5,631	16	0.28	1,740	30.90	3,675	68.82	16	2,494
TOTAL	5,631	16	0.28	1,740	30.90	3,875	68.82	16	2,494

Traffic Accidents by Police Jurisdiction - Victoria Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Chemainus	115	2	1.74	29	25.22	84	73.04	2	45
Colwood	888	2	0.23	242	27.25	644	72.52	2	351
Duncan	448	2	0.45	113	25.22	333	74.33	2	159
Duncan (North Cowichan)	309	0	0.00	104	33.66	205	66.34	0	143
Gabriola Island	65	0	0.00	22	33.85	43	66.15	0	32
Ganges	119	0	0.00	34	28.57	85	71.43	0	47
Ladysmith	203	2	0.99	55	27.09	146	71.92	2	80
Lake Cowichan	123	0	0.00	40	32.52	83	67.48	0	60
Nanaimo (Rural)	175	2	1.14	47	26.86	126	72.00	2	78
Nanaimo (Municipal)	1,765	3	0.17	457	25.89	1,305	73.94	3	604
Pender Island	34	0	0.00	11	32.35	23	67.65	0	16
Shawnigan Lake	226	1	0.44	77	34.07	148	65.49	1	110
Sidney (Rural)	17	0	0.00	7	41.18	10	58.82	0	14
Sidney (Municipal)	295	1	0.34	71	24.07	223	75.59	2	85
Sooke	239	3	1.26	82	34.30	154	64.44	3	108
TOTAL	5,021	18	0.36	1,391	27.70	3,612	71.94	19	1,932

Traffic Accidents by Police Jurisdiction - Courtenay Subdivision RCMP

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Alert Bay	43	0	0.00	13	30.23	30	69.77	0	15
Campbell River (Rural)	303	3	0.99	105	34.65	195	64.36	4	131
Campbell River (Municipal)	595	2	0.34	144	24.20	449	75.46	2	202
Comox (Municipal)	119	0	0.00	24	20.17	95	79.83	0	28
Courtenay (Rural)	474	3	0.63	155	32.70	316	66.67	3	244
Courtenay (Municipal)	394	1	0.25	106	26.90	287	72.85	1	155
Gold River	72	0	0.00	18	25.00	54	75.00	0	24
Parksville	597	4	0.67	156	26.13	437	73.20	5	246
Port Alberni (Rural)	221	1	0.45	69	31.22	151	68.33	1	99
Port Alberni (Municipal)	505	0	0.00	117	23.17	388	76.83	0	160
Port Alice	46	0	0.00	10	21.74	36	78.26	0	13
Port Hardy	240	4	1.67	65	27.08	171	71.25	5	91
Port McNeill	149	0	0.00	44	29.53	105	70.47	0	61
Powell River (Rural)	109	3	2.75	37	33.95	69	63.30	3	54
Powell River (Municipal)	260	0	0.00	55	21.15	205	78.85	0	76
Quadra	44	0	0.00	10	22.73	34	77.27	0	16
Sayward	93	2	2.15	22	23.66	69	74.19	2	35
Tahsis	40	0	0.00	11	27.50	29	72.50	0	15
Texada Island	23	0	0.00	6	26.09	17	73.91	0	9
Tofino	30	0	0.00	10	33.33	20	66.67	0	19
Ucluelet	108	2	1.85	32	29.63	74	68.52	2	53
TOTAL	4,465	25	0.56	1,209	27.08	3,231	72.36	28	1,746

Traffic Accidents by Police Jurisdiction - Municipal Forces

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
Vancouver City	23,539	31	0.13	4,608	19.58	18,900	80.29	33	5,997
Victoria City	1,895	1	0.05	667	35.20	1,227	64.75	1	844
Saanich	1,854	6	0.32	508	27.40	1,340	72.28	6	691
Central Saanich	233	2	0.86	79	33.91	152	65.23	2	113
Esquimalt	327	0	0.00	96	29.36	231	70.64	0	121
Oak Bay	253	0	0.00	67	26.48	186	73.52	0	79
Delta	1,924	5	0.26	403	20.95	1,516	78.79	6	535
Matsqui	1,534	10	0.65	413	26.92	1,111	72.43	11	608
New Westminster	2,159	1	0.05	499	23.11	1,659	76.84	1	645
West Vancouver	1,259	3	0.24	295	23.43	961	76.33	3	404
Nelson	205	1	0.49	27	13.17	177	86.34	1	30
Port Moody	455	0	0.00	112	24.62	343	75.38	0	152
TOTAL	35,637	60	0.17	7,774	21.81	27,803	78.02	64	10,219

Traffic Accidents by Police Jurisdiction - Other Police Forces

Police Jurisdiction Location	Total Accidents	Fatal Accidents		Injury Accidents		Property Damage		Victims Killed	Victims Injured
		Number	% of Total/ Location	Number	% of Total/ Location	Number	% of Total/ Location		
National Harbours Board	23	0	0.00	5	21.74	18	78.26	0	5
B.C. Harbour Police	4	0	0.00	0	0.00	4	100.00	0	0
C.N.R. Police Vancouver	1	0	0.00	1	100.00	0	0.00	0	1
C.P.R. Police	0	0	0.00	0	0.00	0	0.00	0	0
Military Police	68	0	0.00	6	8.82	62	91.18	0	6
TOTAL	96	0	0.00	12	13.04	84	86.96	0	12

DRIVER IMPROVEMENT PROGRAM

The Driver Licence Division continued the screening of unsatisfactory driving records to ensure that drivers whose actions become hazardous as the result of alcohol involvement and other dangerous driving practices are either corrected or removed from the highways.

SUMMARY OF ACTION TAKEN UNDER DRIVER IMPROVEMENT PROGRAM

ACTION TAKEN:

Driving Records Reviewed	79,298
Warning and Offence Letters	57,559
Probations	21,555
Interviews Conducted in Victoria	817
Cancelled Driver's Licences	23,812
Reason for Prohibitions	
Section 84 MVA (Unsatisfied Judgment)	13
Section 85 MVA (Prohibition by Superintendent: Fitness and Ability)	535
Section 86 MVA (Prohibition by Superintendent: Driving Record Review)	7,368
Section 90 MVA (Court Prohibition)	853
Section 92 MVA (Automatic Prohibition)	15,766
Section 92/1/3 MVA (3 Year Prohibition for Failing to Stop for a Peace Officer)	136
Section 242 Criminal Code (Court Prohibition - effective December 4, 1985)	54
Section 214 MVA (24 Hour Prohibition)	459
TOTAL	25,184

OFFENCES REPORTED TO SUPERINTENDENT:

Alcohol Related Offences	12,599
Total of All Criminal Code and Similar Offences Reported	13,045
Total of All Offences Reported (Criminal Code, MV Act, MV Regulations)	590,792
Young Offender Offences Reported (Age 16 and 17 years)	24,542
Criminal Code Offences Committed by B.C. Drivers Outside B.C.	139
Similar Criminal Code Offences Committed by B.C. Drivers in U.S.A.	152
Motor Vehicle Act Offences Committed by Drivers Residing in B.C. and Licenced in Another Jurisdiction	5,984
Criminal Code Offences Committed by Drivers Residing in B.C. and Licenced in Another Jurisdiction	300

ANALYSIS OF WARNING LETTERS, OFFENCE LETTERS AND PROBATION LETTERS BY AGE GROUP FOR ALL DRIVERS

Age	Warning Letters	Offence Letters	Probation Letters	Total
16	0	0	0	0
17	0	1,087	226	1,313
18	6	4,797	1,559	6,632
19	1,044	4,046	1,773	6,683
20	2,000	2,120	1,730	5,850
21-25	2,052	1,253	1,848	5,153
26-30	9,278	3,095	6,279	18,652
31-35	6,330	2,018	3,400	11,748
36-40	4,809	1,219	1,846	7,874
41-45	3,767	817	1,276	5,860
46-50	2,437	467	727	3,631
51-55	1,548	304	378	2,230
56-60	664	155	136	955
61-65	367	141	81	589
66-70	176	101	24	301
71-75	87	27	16	130
76-80	44	9	9	62
81-85	10	1	1	12
86-90	2	1	1	4
91-95	0	0	0	0
96 & over	0	0	0	0
TOTAL	35,728	21,830	21,555	79,113

ANALYSIS OF PROHIBITIONS (SUSPENSIONS) BY AGE GROUP FOR ALL DRIVERS

Age	Section 84 MVA	Section 85 MVA	Section 86 MVA	Section 90 MVA	Section 92 MVA	Section 92/1/3 MVA	Section 214	Section 242 CCC	Total
Under 160	0	0	7	13	9	0	0	29	
16	0	0	32	11	47	8	6	0	104
17	0	1	321	26	150	7	8	0	513
18	0	1	497	21	360	14	15	1	909
19	0	9	741	25	564	11	29	1	1,380
20	0	6	851	31	737	9	18	1	1,653
21-25	3	43	2,500	172	3,685	50	126	16	6,595
26-30	1	43	1,020	121	2,899	17	85	14	4,200
31-35	5	23	514	116	2,194	3	48	5	2,908
36-40	4	32	358	107	1,553	3	43	4	2,104
41-45	0	16	215	70	1,181	1	27	4	1,514
46-50	0	21	130	36	849	3	18	2	1,059
51-55	0	14	75	35	633	1	12	4	774
56-60	0	21	61	36	460	0	13	1	592
61-65	0	22	21	15	255	0	6	1	320
66-70	0	11	21	11	120	0	2	0	165
71-75	0	58	7	9	55	0	0	0	129
76-80	0	80	1	4	10	0	1	0	96
81-85	0	89	2	0	1	0	2	0	94
86-90	0	44	0	0	0	0	0	0	44
91-95	0	1	0	0	0	0	0	0	1
96 & over	0	0	0	0	0	0	0	0	0
TOTAL	13	535	7,367	853	15,766	136	459	54	25,183

DRIVER TRAINING SCHOOL STATISTICS

ISSUANCES

	Schools	Operators	Instructors
Licences Issued	101	100	321
Terminations	5	0	35
Suspensions	0	0	0
Reinstatements	0	0	0
Total Active Licences as of December 31, 1985	96	100	293

INSTRUCTOR EXAMINATIONS CONDUCTED

Written Examinations	
Passed	40
Failed	7
TOTAL	47
Practical Examinations	
Passed	35
Failed	4
TOTAL	39

TEMPORARY PERMITS

Original Permits Issued	73
Temporary Instructors as of December 31, 1985	13

$500 SECURITY BONDING

Bonded by Surety	45 x $500 =	$22,500
Security on Deposit (Bonds)	3 x $500 =	$1,500
Security on Deposit (Bonds)	1 x $1000 =	$1,000
Security on Deposit (Term Deposit)	10 x $500 =	$5,000
Security on Deposit (Term Deposit)	6 x $1000 =	$6,000
Security on Deposit (Cash)	31 x $500 =	$15,500
TOTAL SURETY & SECURITY VALUE		$51,500

REVENUE

School Licences	101 x $25 =	$2,525
Operator's Licences	100 x $10 =	$1,000
Instructor's Licences	321 x $5 =	$1,605
TOTAL		$5,130

Inspections Conducted

Driver Training School inspections are carried out throughout the year by Regional Co-ordinators of the Motor Vehicle Department.

THE CERTIFICATION PROGRAM

The Driver Certification Program is offered to persons, schools, firms and businesses involved in the transportation and trucking industry. The privilege of certifying drivers is granted to those companies who meet the standards of the program as set out by the Superintendent of Motor Vehicles.

There have been 166 recognized authorities involved in this program since its inception in 1971. However, 22 of these companies have withdrawn but 152 are still active, including nine new companies that were accepted into the program in 1984.

Liaison visits to recognized authorities were conducted by Regional Co-ordinators of the Motor Vehicle Department.

REPORT OF THE DIRECTOR OF STANDARDS AND COMPLIANCE

P. Toogood, P.Eng.

The Director of Standards and Compliance directs the activities of the Vehicle Inspection Division, the Commercial Transport Division and the Standards Development Program.

VEHICLE INSPECTION DIVISION

The Vehicle Inspection Division has 22 area vehicle inspectors stationed throughout the province who carry out school bus inspections and random roadside inspections of commercial vehicles.

From January 1 to December 31, 1985, there were 24 permits issued for flashing amber lamps, two were for flanket permits and 22 for singular permits. There was one theft alaram and one siren permit issued. Permits for flashing red lamp and siren totalled 16.

SCHOOL BUS INSPECTION PROGRAM

Control over the use and operation of school buses engaged in the transportation of students to and from schools in the Province is the responsibility of the Superintendent of Motor Vehicles. The control extends to the setting of minimum standards for the construction and maintenance of such buses and provides for their semi-annual inspection. These inspections are carried out on behalf of the Superintendent by Area Vehicle Inspectors of the Department located in Chilliwack, Cranbrook, Courtenay, Dawson Creek, Kamloops, Kelowna, Nelson, Penticton, Prince George, Smithers, Williams Lake, Vancouver and Victoria.

As a precondition for receiving a school bus permit, all school buses must be inspected semi-annually to ensure that standards of construction, safety, health, and repair are being met.

Division 11 of the Motor Vehicle Regulations requires that school bus permits be obtained by every vehicle operating under contract to the Board of School Trustees for the purpose of transporting children to or from school. Amendments to Division 11 (school bus regulations) and the minimum standards for construction of school buses are proposed.

During 1985, the number of renewal permits issued for vehicles to be used as school buses was 2,499 and 1,916 permits were issued for new vehicles for a total of 4,365. This is a 76% increase over the same period last year. Of the permits issued, 37 were cancelled school buses and 23 school bus permits for highway buses used for extra curricular activities were cancelled.

The 1985 year saw 167 reportable school bus accidents, 64 injuries and four deaths.

In addition to the school bus inspections, are vehicle inspectors were responsible for the inspection of commercial vehicles over 5,500 kg - accident investigation (mechanical) - bus and taxi monitoring.

Of the 64 injuries, 10 were school bus occupants, four drivers, and six passengers, the four fatalities were not school bus occupants.

PROVINCIAL ROADSIDE CHECKS

Province-wide roadside checks were made in co-operation with the R.C.M. Police and other enforcement agencies during 1985 of randomly selected commercial vehicles to determine their conformance with standards of safety, maintenance and repair.

Twelve random roadchecks resulted in 6,256 commercial vehicles being checked, 2,833 required repairs and 1,971 were removed for critical mechanical defects. These roadchecks will continue in 1986 on a much smaller scale because of Expo 86 and the unavailability of enforcement agencies.

ACCIDENT INVESTIGATION

The Vehicle Inspection Division in a cooperative program with law enforcement agencies, conducted the mechanical examination of 284 vehicles which were involved in fatal or serious accidents to determine if standards of safety and repair were being met. These examinations provided extensive support to police agencies, during formal judicial proceedings, where expert testimony was frequently required for the evaluation of technical evidence.

COMMERCIAL TRANSPORT DIVISION

The Commercial Transport Division operates 40 permanent weigh scales throughout the Province, located at strategic points on major highways. The division also operates 19 portable patrol units to monitor commercial vehicles in areas with no fixed weigh scale facilities.

The Division is involved in all areas of commercial vehicle operation from vehicle design through to the final delivery of goods or resources. The Division assists industry in meeting the statutory requirements, enforces all pertinent vehicle laws and issues permits to accommodate extraordinary moves of specialized equipment. The Commercial Transport Division is responsible to ensure public safety in approving such moves by setting the guidelines and conditions under which they are permitted. Many such moves are seldom viewed by the general public as they are conducted in the middle of the night when traffic volume is at its lowest.

Special projects during 1985 included the movement of guideway beams for the Advanced Light Rapid Transit System, bridge beams for the Coquihalla Highway, bridge beams for the Annacis Crossing and prefabricated components for Expo 86.

The two main responsibilities of field offices (weigh scales) are service and enforcement. Enforcement of laws pertaining to commercial vehicles includes licencing, insurance, operating authority, taxation, mechanical condition, load security, overloading, oversize and many other items to ensure public safety and equal opportunity. In specialized moves the Division implements and enforces special safety conditions including restricted hours of travel, specific routes, pilot cars, signs, lights, notification of emergency services, and other safety items.

The 134 Weighmasters are authorized to exercise the powers conferred and the duties of a constable or peace officer for the purpose of enforcing the provisions of the Motor Vehicle Act, Commercial Transport Act, Motor Carrier Act, Motive Fuel Use Tax Act, Highway Act and the regulations made pursuant to those Acts.

On the service side weigh scale offices provide information on the various regulatory requirements for commercial vehicle operation. They issue permits for licencing, insurance, taxation, overweight, oversize and other provincial requirements. Weigh scale offices are open ranging from seven to 24 hours to provide service to an industry which operates 24 hours a day, 365 days a year.

Statistics for the Division for the year 1985 are as follows:

Commercial vehicles processed through the weigh scales	2,540,501
Prosecutions entered	28,306
Violation notices (warnings) issued	9,453

PERMITS ISSUED

Term, short term and single trip (oversize and/or overweight)	61,352
Non-Resident	44,965
Temporary Operation	25,282
Motive Fuel	19,287
Restricted Route	5,003
Highway Crossing	876
Special Temporary	334
C.A.V.R.	563
TOTAL PERMITS ISSUED	157,662

REVENUE COLLECTED, 1985 - (Approximate)

Oversize and Overweight Permits	$1,751,147
Non-Resident Permits	1,736,171
Temporary Operation Permits	162,082
Restricted Route Permits	188,618
Highway Crossing Permits	21,850
Special Temporary Permits	1,002
Motive Fuel Permits	530,316
I.C.B.C. Insurance	539,124
C.A.V.R.	7,169
TOTAL REVENUE	$4,937,479

PERMANENT WEIGH SCALES (BY REGION)

Scale	Region	Permit Number	Revenue Dollars	Prosecution Number	Revenue Dollars	Region Revenue	Total Revenue	Number of WMS	Revenue per WM	Violation Notices	Vehicles Checked
Duncan North	1	1,658	46,280	572	42,878		89,158	2.0	44,579	78	44,403
Parksville South	1	1,960	42,322	456	33,281		75,603	3.0	25,201	307	18,980
Saanich	1	962	17,008	241	15,136		32,144	1.0	32,144	49	12,560
Parksville North	1	383	9,444	180	13,225		22,669	1.0	22,669	109	10,128
Duncan South	1	Closed		7	595	220,169	595	0.0		8	0
Pacific	2	21,942	796,620	550	41,883		838,503	6.0	139,751	164	278,425
Port Mann West	2	8,811	208,763	1,479	109,732		318,495	6.0	53,083	356	240,298
Pattullo Bridge	2	11,177	250,122	747	47,300		297,422	6.0	49,750	329	108,002
Haig	2	3,315	122,593	1,786	131,722		254,315	6.0	42,386	622	232,291
Deas Tunnel North	2	2,604	61,374	1,430	120,469		181,843	2.0	90,922	43	204,403
Laidlaw	2	2,733	111,696	597	38,998		150,694	4.0	37,674	138	42,742
Port Mann East	2	3,063	47,630	509	36,570		84,200	2.0	42,100	241	188,870
Hunter Creek	2	665	23,526	417	30,618	2,179,616	54,144	2.0	27,072	142	21,475
Kamloops South	3	5,225	127,789	673	48,695		176,484	6.0	29,414	617	103,110
Kaleden	3	2,970	111,938	582	35,028		146,966	4.0	36,742	84	40,964
Vernon	3	3,572	86,696	317	26,457		113,153	4.0	28,288	251	60,085
Kamloops North	3	3,657	89,009	218	15,115		104,124	2.5	41,650	212	25,156
Kelowna	3	3,976	82,505	205	14,189		96,694	2.0	48,347	125	29,694
Midway	3	309	15,935	174	11,912	665,268	27,847	1.0	27,847	40	2,517
Golden	4	12,890	436,424	992	73,664		510,088	7.0	72,870	320	146,053
Sparwood	4	9,059	302,018	1,007	68,508		370,526	6.0	61,754	263	37,221
Yahk	4	2,182	83,945	750	48,255		132,200	3.0	55,067	177	30,545
Castlegar	4	280	6,824	125	7,960		14,784	1.0	14,784	21	3,819
Rossland	4	198	7,668	71	6,210	1,041,476	13,878	1.0	13,878	14	2,561
Prince George South	5	8,440	257,695	715	56,625		314,320	5.0	62,864	243	210,839
Tete Jaune Cache	5	6,712	244,156	521	34,933		279,089	6.0	46,515	308	64,972
Quesnel	5	3,079	96,188	401	28,741		124,929	1.0	124,929	399	41,829
Terrace	5	2,853	65,125	474	34,517		99,642	2.0	49,821	463	49,122
Williams Lake	5	2,940	78,371	204	17,196		95,567	1.0	95,567	126	23,661
Prince George North	5	2,779	72,568	228	19,787		92,355	2.0	46,178	87	47,521
Vanderhoof	5	2,021	78,664	177	13,088	1,097,654	91,752	2.0	45,876	86	32,545
Pouce Coupe	6	9,064	388,962	287	21,051		410,013	6.0	68,336	311	42,515
Fort St. John	6	6,293	196,310	190	15,624		211,934	4.0	52,984	148	15,910
Dawson Creek	6	3,884	135,005	331	25,380		160,385	3.0	53,462	182	41,099
Fort Nelson	6	2,169	93,637	164	15,434		109,071	1.5	72,714	61	12,304
Chetwynd	6	649	19,024	206	14,430	924,857	33,454	1.0	33,454	56	6,104
TOTALS		154,475	4,813,834	17,983	1,315,206	6,129,040	6,129,040	113.0	54,239	7,180	2,472,723

PORTABLE WEIGH SCALES (BY REGION)

Portable Operator	Region	Permit Number	Revenue Dollars	Prosecution Number	Revenue Dollars	Region Revenue	Total Revenue	Number of WMS	Revenue per WM	Violation Notices	Vehicles Checked
Courtenay	1	39	1,497	647	43,420		44,917	1.0	44,917	211	3,270
Victoria	1	227	10,647	298	17,471	73,035	28,118	1.0	28,118	28	1,253
Coast	2	4	135	1,118	113,477		113,612	1.0	113,612	13	11,576
Lower Mainland	2	0	0	1,538	102,972		102,972	1.0	102,972	156	7,135
Fraser Valley	2	979	52,708	754	44,386	313,678	97,094	1.0	97,094	124	8,039
Kamloops	3	7	80	678	38,514		38,594	1.0	38,594	31	1,021
Sicamous	3	150	2,989	248	20,927		23,916	1.0	23,916	45	1,042
Cache Creek	3	94	3,135	382	19,853		22,988	1.0	22,988	44	1,672
Okanagan	3	70	3,891	279	17,090	106,479	20,981	1.0	20,981	0	1,608
Radium	4	170	4,980	543	33,249		38,229	1.0	38,229	172	2,664
Castlegar	4	111	5,117	404	26,208		31,325	1.0	31,325	64	1,855
Kootenay	4	50	1,584	486	29,075	100,213	30,659	1.0	30,659	47	2,541
Yellowhead	5	0	0	645	56,954		56,954	1.0	56,954	103	5,368
Williams Lake	5	503	13,973	385	30,053		44,026	1.0	44,026	406	2,742
Quesnel	5	451	11,329	395	28,303		39,632	1.0	39,632	103	8,118
Terrace	5	15	389	601	36,406		36,795	1.0	36,795	332	3,599
Burns Lake	5	19	708	252	16,344	194,459	17,052	1.0	17,052	137	2,534
Peace River	6	188	5,508	397	25,402		30,910	1.0	30,910	156	1,112
Fort St. John	6	110	4,975	273	20,891	56,776	25,866	1.0	25,866	101	829
TOTALS		3,187	123,645	10,323	720,995	844,640	844,640	19	44,455	2,273	67,778
TOTAL (Scales & Portables)		157,662	4,937,479	28,306	2,036,201		6,973,680	132	52,831	9,453	2,540,501

STANDARDS DEVELOPMENT PROGRAM

During 1985, the Standards and Compliance Division completed the work of drafting a vehicle inspection manual for use in conjunction with all inspection programs in the Province. The following precepts were observed during the preparation of the manual: It would be operationally uniform with a manual used by one of the other provinces (Saskatchewan) thereby increasing the prospect of harmonized inspection procedures among the western provinces; it would include standards of safety and repair as well as methods of inspection for vehicle types being contemplated for compulsory inspection in a way that would permit expansion of the inspection program without changes; and it would embody out-of-service criteria recognized by two-thirds of Canadian and American jurisdictions for uniform roadside checking.

Concurrently, a draft was prepared for making a regulation under the Motor Vehicle Act that would complete the transfer of responsibility of motor carrier vehicle inspections to the Motor Vehicle Department.

The effectiveness of closed-circuit television as an enhancement of safe vehicle operation, particularly when reversing, was investigated and the Act amended to permit a standard for these devices to be put into the regulations under the Act.

The conditions necessary for a vehicle data base to enable the owners of propane and natural gas vehicles to be notified of a safety hazard requiring rectification (recall campaigns) were investigated jointly with the Gas Safety Branch of the Ministry of Labour. At the same time, standards that would control the safety of vehicle pressure fuel systems were studied for suitability as a regulation under the Act.

A complete overhaul of the vehicle equipment divisions of the Motor Vehicle Act regulations was made, which will lead to the enacting of provisions to control unsafe modification of vehicles that create a hazard for other drivers.

REPORT OF THE DIRECTOR OF INFORMATION SYSTEMS

R.C. Serviss

The Information Systems Branch (ISB) has responsibility for managing the data resource and related computer systems of the Transportation functions of the Ministry. In addition to the Motor Vehicle Department, responsibility extends to the Transport Policy Department, Motor Carrier Branch, and in the Administration and Services Department, Air Services and part of Financial Services and Personnel Programs.

Major accomplishments during the year included full implementation of driver licence processing in the 34 Motor Licence Offices. Improved service to the public at reduced staff levels both in the field and headquarters, was achieved within planned time frames. Reports from other jurisdictions indicate that projects of this type carry a high failure risk. Strong emphasis was placed on tight management and user-training to help ensure success.

To support the School Bus inspection program, an Automated Vehicle Inspection System (AVIS) was developed and implemented. A related Commercial Vehicle Inspection Program (CVIP) was designed to meet the plans for new mandatory inspections of all commercial vehicles.

An important breakthrough was made in defining common systems standards for commercial vehicle pro-rate licencing and reciprocity. In addition, a link between the B.C. and Alberta computer networks was negotiated to allow the exchange of vehicle and driver data. This co-operative project is expected to be a model for future expansion to all Provinces.

The level of activity has required a small increase in the staff level, and more contracted work. The ISB has participated in the co-op work experience programs of several Universities to mutual benefit. Planning is underway to improve present systems and develop new ones in an integrated manner. The data and information needs of the Transportation functions will be defined and documented in a manner that will greatly facilitate planning and systems development. It is anticipated that formal incorporation of the ISB within the Ministry will further strengthen our ability to meet key goals and objectives.

REPORT OF THE DIRECTOR OF ADMINISTRATION AND SAFETY

J.F. Phillips

The Director of Administration and Safety is responsible for the general administrative functions of the Superintendent of Motor Vehicles' office, to ensure uniform and consistent use of common administrative procedures and the continuation of the Department's Transportation of Dangerous Goods Program.

Road User Safety Programs are directed and coordinated through the Administration and Safety Branch. The Division is responsible for the distribution of road safety literature disbursement such as pamphlets, bulletins, films, etc. to the general public and interested organizations. In 1985, nearly 900,000 brochures and pamphlets promoting road safety were distributed. The continued support of Safety Councils has resulted in infant restraint loaner programs being set up and operated in the interior of the province.

The year 1985 ended with 481 fatalities, the lowest number recorded over the past five years. The cooperation and coordination of Safety Councils, law enforcement officials, specifically interested parties and the positive response of the public all contributed substantially to the reduction in fatalities. The number of accidents remained constant showing a 1% increase over 1984.

In 1985, the second Motor Vehicle Statistical Analysis was produced. This book provides a clean, clear and composite record of motor vehicle accidents in British Columbia. The report was favourably received with many requests for additional copies.

During 1985, the Road Safety Division provided a 10 minute program on child restraints ("Seat Sense - The Proper Use of Child Restraints") to several communities throughout the province.

Through the use of the Motor Vehicle Department's in-house mail system, driver licences - renewals and duplicates - the Division can reach a high proportion of all licenced drivers in British Columbia.

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